



# AIRFIT

Connecting for Better Life





Connecting for Better Life

## FRL



**FRL MODEL — AC2000 - AC4000**



Model	Specifications							Accessories	
	Assembly			Rated Flow ( L/min )	Port Size ( G )	Pressure Gange Size	Weight ( kg )	Bracket ( 2 )	Pressure Gauge
	Filter	Regulator	Lubricator						
AC2000-02	AF2000	AR2000	AL2000	500	1/4	1/8	0.74	Y20L	G36-10-01
AC3000-02	AF3000	AR3000	AL3000	2000	1/4	1/8	1.18	Y30L	
AC3000-03					3/8				
AC4000-04	AF4000	AR4000	AL4000	4000	1/2	1/4	2.14	Y40L	G46-10-02

**Specification**

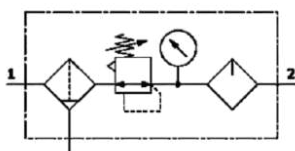
Model	2000		3000		4000			5000	
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"
Working medium	Air								
Filtering level (µm)	40 (or) 5								
Pressure regulating range	Automatic and differential drain: 0.15 ~ 0.9 MPa (12 ~ 130 psi) / Manual drain: 0.05 ~ 0.9 MPa (7 ~ 130 psi)								
Max. Pressure	1.0 MPa (145 psi)								
Guaranteed pressure	1.5 MPa (215 psi)								
Temperature range (°C)	-5 ~ 70 (No Freezing)								
Water capacity (CC)	10		40		80			160	
Oil Capacity (CC)	25		75		160			-	

**Standard Rated Flow**

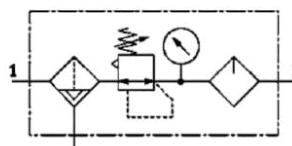
(L/min)

Model	Component			Port Size					
	Filter	Regulator	Lubricator	1/8"	1/4"	3/8"	1/2"	3/4"	1"
AC2000-□□	AF2000-□□	AR2000-□□	AL2000-□□	1100	1100	-	-	-	-
AC2000-□□5M	AF2000-□□5M	AR2000-□□	AL2000-□□	880	880	-	-	-	-
AC3000-□□	AF3000-□□	AR3000-□□	AL3000-□□	-	2000	2200	-	-	-
AC3000-□□5M	AF3000-□□5M	AR3000-□□	AL3000-□□	-	1600	1760	-	-	-
AC4000-□□	AF4000-□□	AR4000-□□	AL4000-□□	-	-	5000	5500	5700	-
AC4000-□□5M	AF4000-□□5M	AR4000-□□	AL4000-□□	-	-	4000	4400	4600	-
AC5000-□□	AF5000-□□	AR5000-□□	AL5000-□□	-	-	-	-	6200	6800
AC5000-□□5M	AF5000-□□5M	AR5000-□□	AL5000-□□	-	-	-	-	5000	5500

**SYMBOL**



Manual drain



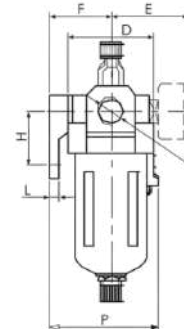
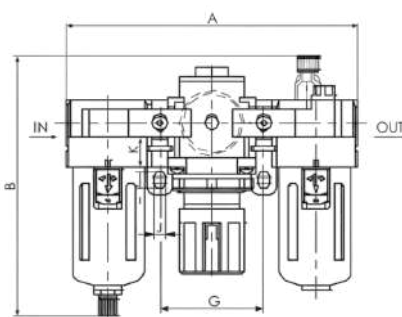
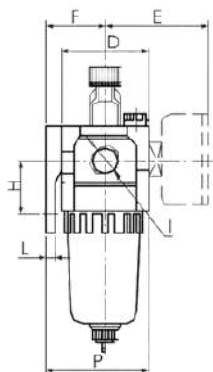
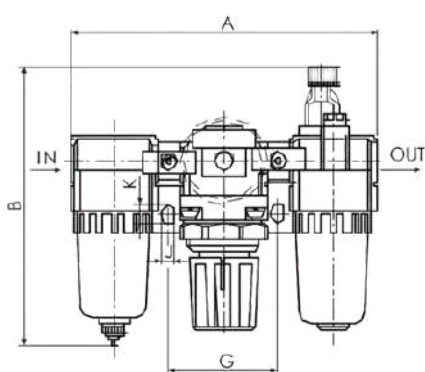
Semi or full auto drain

**ORDERING CODE**

	AC	20	00	—	01	5M	N	D	—	P
<b>Series</b>	AC: AC / WAC Series F.R.L CIAC: CIAC / CIAC Series F.R.L									
<b>Body Dimension</b>	20: 2000 / Body      40: 4000 / Body 30: 3000 / Body      50: 5000 / Body									
<b>Body Dimension</b>	10: F.R.L Combination 00: Else									
<b>Port Size</b>	2000—01: 1/8"      02: 1/4" 3000—02: 1/4"      03: 3/8" 4000—03: 3/8"      04: 1/2"      06: 3/4" 5000—06: 3/4"      10: 1"									
<b>Filter Grade</b>	40 µm / Blank: 40 µm 5M: 5 µm									
<b>Pressure Gauge Code</b>	Blank: With pressure gauge N: No pressure gauge									
<b>Drain Type</b>	Blank: Manual drain D: Automatic drain									
<b>Thread Type</b>	G / Blank: G P: PT T: NPT									

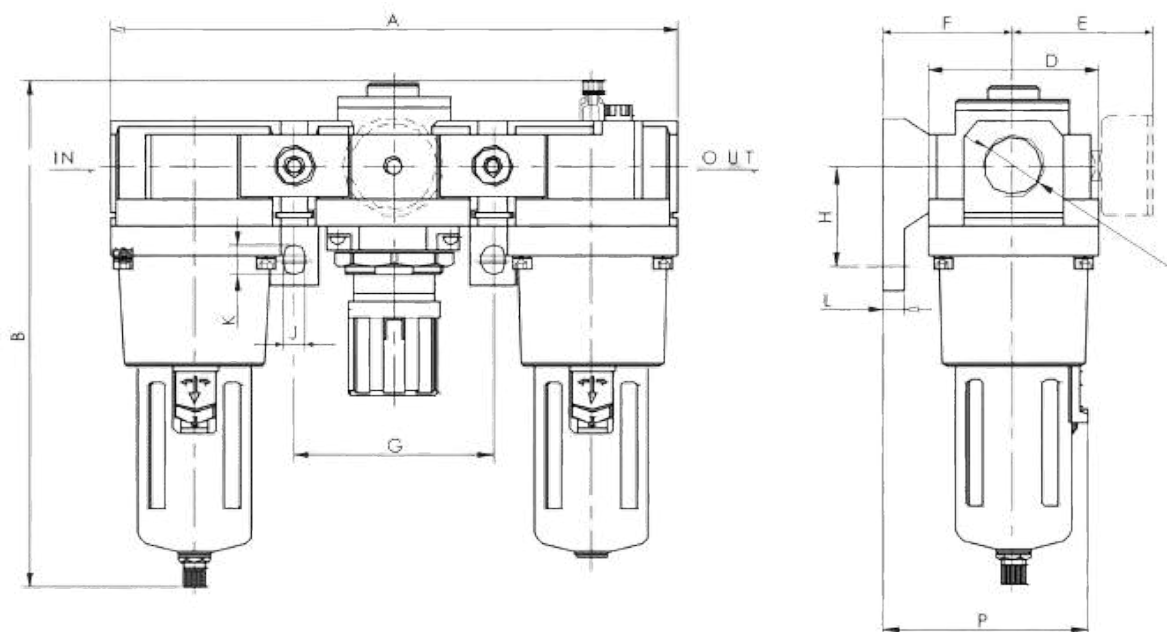
**AC1000 — 2000**

**AC3000 — 4000**





**AC5000**



Model	Sign	A	B	C	D	E	F	G	H	Port Size	J	K	L	M	P
AC1000—M5		91	84.5	25.5	25	26	25	33	20	M5	4.5	7.5	5	2	38.5
AC2000—01		140	125	38	40	56.8	30	50	24	G 1/8"	5.5	8.5	5	2.3	50
AC2000—02		140	125	38	40	56.8	30	50	24	G 1/4"	5.5	8.5	5	2.3	50
AC3000—02		181	156.5	38	53	60.8	41	64	35	G 1/4"	7	11	7	2.3	70.5
AC3000—03		181	156.5	38	53	60.8	41	64	35	G 3/8"	7	11	7	2.3	70.5
AC4000—03		238	191.5	40.5	53	65.5	50	84	40	G 3/8"	9	13	7	2.3	88
AC4000—04		238	191.5	40.5	70	65.5	50	84	40	G 1/2"	9	13	7	2.3	88
AC4000—06		253	193	41	70	69.5	50	89	40	G 3/4"	9	13	7	2.3	88
AC5000—06		300	271	48	90	75.5	69.8	105	50	G 3/4"	12	16	10.5	2.3	115
AC5000—10		300	271	48	90	75.5	69.8	105	50	G 1	12	16	10.5	2.3	115

**Managed Models**

AC2000-02	UNIDAD MANTENIMIENTO TRES PIEZAS 1/4"
AC3000-02	UNIDAD MANTENIMIENTO TRES PIEZAS 1/4"
AC3000-03	UNIDAD MANTENIMIENTO TRES PIEZAS 3/8"
AC4000-04	UNIDAD MANTENIMIENTO TRES PIEZAS 1/2"
AC2000-02D	UNIDAD MANTENIMIENTO TRES PIEZAS CON AUTOPURGA 1/4"
AC3000-02D	UNIDAD MANTENIMIENTO TRES PIEZAS CON AUTOPURGA 1/4"
AC3000-03D	UNIDAD MANTENIMIENTO TRES PIEZAS CON AUTOPURGA 3/8"
AC4000-04D	UNIDAD MANTENIMIENTO TRES PIEZAS CON AUTOPURGA 1/2"

**FRL MODEL — AC2010 - AC5010**



Model	Specifications						Accessories		
	Subassembly			Rated Flow ( L/min )	Port Size ( G )	Pressure Gange Size	Weight ( kg )	Bracket ( 2 )	Pressure Gauge
	Filter	Regulator	Lubricator						
AC2010-02	AW2000	AL2000	AL2000	500	1/4	1/8	0.66	Y20L	G36-10-01
AC3010-02	AW3000	AL3000	AL3000	1500	1/4	1/8	0.98	Y30L	
AC3010-03					3/8				
AC4010-04	AW4000	AL4000	AL3000	2000	1/2	1/4	1.93	Y40T	G46-10-02
AC5010-06	AW4000-06	AL4000-06	AL4000	3000	3/4	1/4	1.99	Y50T	
AC5010-10	AW5000	AL5000	AL4000-06	4000	1	1/4	3.20	Y60T	

**Specification**

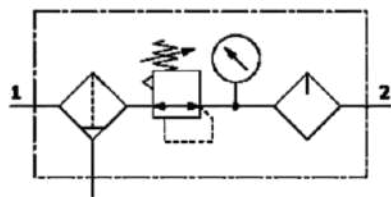
Model	2010		3010		4010			5010	
	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"
Working medium	Air								
Filtering level (µm)	40 (or) 5								
Pressure regulating range	Automatic and differential drain: 0.15 ~ 0.9 MPa (12 ~ 130 psi) / Manual drain: 0.05 ~ 0.9 MPa (7 ~ 130 psi)								
Max. Pressure	1.0 MPa (145 psi)								
Guaranteed pressure	1.5 MPa (215 psi)								
Temperature range (°C)	-5 ~ 70 (No Freezing)								
Water capacity (CC)	10		40			80			
Oil Capacity (CC)	25		75			160			

**Standard Rated Flow**

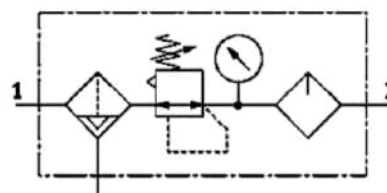
(L/min)

Model	Component		Port Size						
	Filter & Regulator	Lubricator	1/8"	1/4"	3/8"	1/2"	3/4"	1"	
AC2010-□□	AW2000-□□	AL2000-□□	1100	1100	-	-	-	-	
AC2010-□□5M	AW2000-□□5M	AL2000-□□	880	880	-	-	-	-	
AC3010-□□	AW3000-□□	AL3000-□□	-	2000	2200	-	-	-	
AC3010-□□5M	AW3000-□□5M	AL3000-□□	-	1600	1760	-	-	-	
AC4010-□□	AW4000-□□	AL4000-□□	-	-	5000	5500	5700	-	
AC4010-□□5M	AW4000-□□5M	AL4000-□□	-	-	4000	4400	4600	-	
AC5010-□□	AW5000-□□	AL5000-□□	-	-	-	-	6200	6800	
AC5010-□□5M	AW5000-□□5M	AL5000-□□	-	-	-	-	5000	5500	

**SYMBOL**



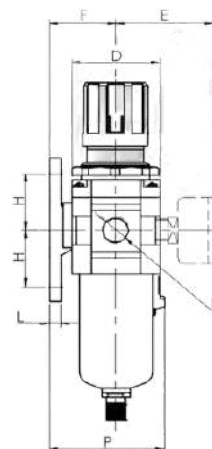
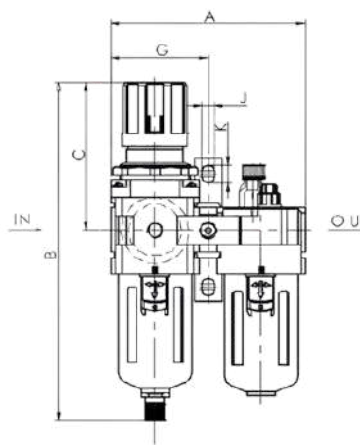
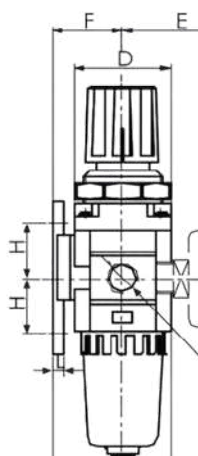
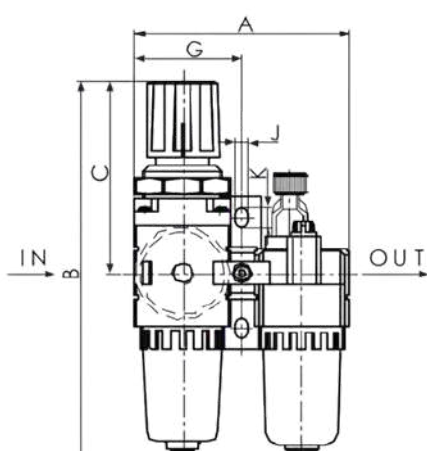
Manual drain



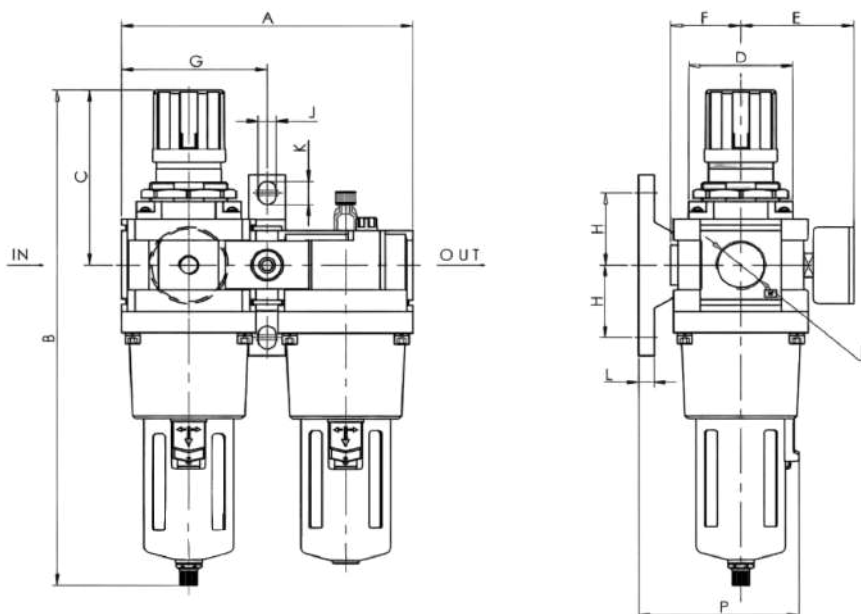
Semi or full auto drain

**ORDERING CODE**

	AC	20	10	—	01	5M	N	D	—	P
<b>Series</b>	AC: AC / WAC Series F.R.L CIAC: CIAC / CIAC Series F.R.L									
<b>Body Dimension</b>	20: 2000 / Body      40: 4000 / Body 30: 3000 / Body      50: 5000 / Body									
<b>Combination QTY</b>	10: F.R.L Combination 00: Else									
<b>Port Size</b>	2000—01: 1/8"      02: 1/4" 3000—02: 1/4"      03: 3/8" 4000—03: 3/8"      04: 1/2"      06: 3/4" 5000—06: 3/4"      10: 1"									
<b>Filter Grade</b>	40 µm / Blank: 40 µm 5M: 5 µm									
<b>Pressure Gauge Code</b>	Blank: With pressure gauge N: No pressure gauge									
<b>Drain Type</b>	Blank: Manual drain D: Automatic drain									
<b>Thread Type</b>	G / Blank: G P: PT T: NPT									

**AC1010 — 2010**
**AC3010 — 4010**


**AC5010**



Model	Sign	A	B	C	D	E	F	G	H	Port Size	J	K	L	M	P
AC1010—M5		58	109.5	50.5	25	26	25	29	20	M5	4.5	7.5	5	2	38.5
AC2010—01		90	164.5	78	40	56.8	30	45	24	G 1/8"	5.5	8.5	5	2.3	50
AC2010—02		90	164.5	78	40	56.8	30	45	24	G 1/4"	5.5	8.5	5	2.3	50
AC3010—02		117	211	92.5	53	60.8	41	58.5	35	G 1/4"	7	11	7	2.3	70.5
AC3010—03		117	211	92.5	53	60.8	41	58.5	35	G 3/8"	7	11	7	2.3	70.5
AC4010—03		154	262	112	70	70.5	50	77	40	G 3/8"	9	13	7	2.3	88
AC4010—04		154	262	112	70	70.5	50	77	40	G 1/2"	9	13	7	2.3	88
AC4010—06		164	267	114	70	70.5	50	82	40	G 3/4"	9	13	7	2.3	88
AC5010—06		195	338	116	90	75.5	69.8	97.5	50	G 3/4"	12	16	10.5	2.3	115
AC5010—10		195	338	116	90	75.5	69.8	97.5	50	G 1"	12	16	10.5	2.3	115

**Managed Models**

AC2010-02	UNIDAD MANTENIMIENTO 1/4"
AC3010-02	UNIDAD MANTENIMIENTO 1/4"
AC3010-03	UNIDAD MANTENIMIENTO 3/8"
AC4010-04	UNIDAD MANTENIMIENTO 1/2"
AC5010-06	UNIDAD MANTENIMIENTO 3/4"
AC5010-10	UNIDAD MANTENIMIENTO 1"
AC2010-02D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 1/4"
AC3010-02D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 1/4"
AC3010-03D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 3/8"
AC4010-04D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 1/2"
AC5010-06D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 3/4"
AC5010-10D	UNIDAD MANTENIMIENTO CON AUTO AUTO PURGA 1"

**FRL MODEL — AR2000 — AR500**



Model	Specifications				Accessories	
	Rated Flow (L/min)	Port Size (G)	Pressure Gauge Size	Weight (kg)	Bracket	Pressure Gauge
AR2000-02	550	1/4	1/8	0.27	B220	G36-10-01
AR3000-02	2500	1/4	1/8	0.41	B320	
AR3000-03		3/8				
AR5000-06	8000	3/4	1/4	1.19	B420	G46-10-02
AR5000-10		1				

**Specification**

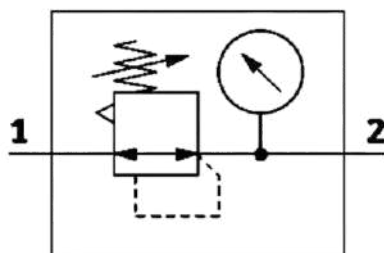
Model	2000		3000		4000		5000	
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Working medium	Air							
Pressure regulating range	0.15 ~ 0.9 MPa (12 ~ 130 psi)							
Max. Pressure	1.0 MPa (145 psi)							
Guaranteed pressure	1.5 MPa (215 psi)							
Temperature range (°C)	-5 ~ 70 (No Freezing)							

**Standard Rated Flow**

(L/min)

Model	Port Size					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
AC2000—□□	1100	1180	-	-	-	-
AC3000—□□	-	2100	2310	-	-	-
AC4000—□□	-	-	5200	5700	5750	-
AC5000—□□	-	-	-	-	6200	6800

**SYMBOL**

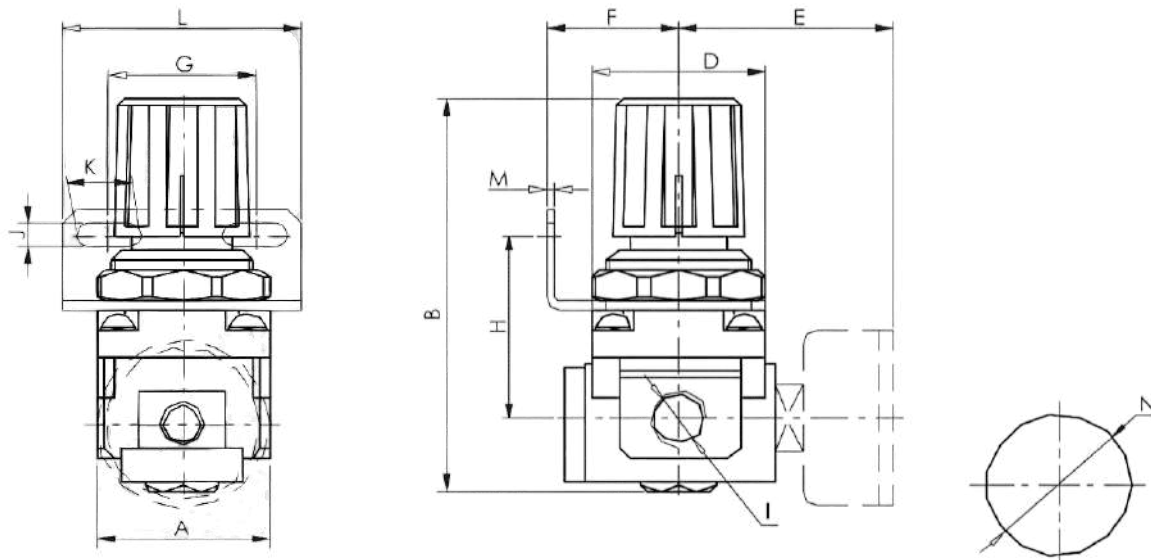


With pressure gauge

**ORDERING CODE**

		AR	20	00	-	01	N	J	P
<b>Series</b>		AC: AC / AC Series regulator							
<b>Body Dimension</b>		20: 2000 / Body      40: 4000 / Body 30: 3000 / Body      50: 5000 / Body							
<b>Port Size</b>		2000—01: 1/8"      02: 1/4" 3000—02: 1/4"      03: 3/8" 4000—03: 3/8"      04: 1/2"      06: 3/4" 5000—06: 3/4"      10: 1"							
<b>Pressure Gauge Code</b>		Blank: With pressure gauge N: No pressure gauge							
<b>Bracket Code</b>		Blank: With bracket J: No bracket							
<b>Thread Type</b>		G: G / Blanck: G P: PT T: NPT							

**AR1000 — 5000**



Model	Sign	A	B	C	D	E	F	G	H	Port Size	J	K	L	M	P
AC1000—M5		25	66	7	25	-	-	-	-	M5	-	-	-	2	26.5
AC2000—01		40	97.5	11	40	17	30	27	22	G 1/8"	5.4	8.4	40	2.3	40
AC2000—02		40	97.5	11	40	17	30	27	22	G 1/4"	5.4	8.4	40	2.3	40
AC3000—02		53	132.5	14	53	16	41	40	23	G 1/4"	6.5	8	53	2.3	56
AC3000—03		53	132.5	14	53	16	41	40	23	G 3/8"	6.5	8	53	2.3	56
AC4000—03		70	168.5	18	70	17	50	54	26	G 3/8"	8.5	10.5	70	2.3	73
AC4000—04		70	168.5	18	70	17	50	54	26	G 1/2"	8.5	10.5	70	2.3	73
AC4000—06		75	172.5	20	70	14	50	54	25	G 3/4"	8.5	10.5	70	2.3	73
AC5000—06		90	247.5	24	90	23	66.5	66	35	G 3/4"	11	13	70	2.3	90
AC5000—10		90	247.5	24	90	23	66.5	66	35	G 1	11	13	70	2.3	90

### Managed Models

AR2000-02	REGULADOR PRESIÓN 1/4"
AR3000-02	REGULADOR PRESIÓN 1/4"
AR3000-03	REGULADOR PRESIÓN 3/8"
AR5000-06	REGULADOR PRESIÓN 3/4"
AR5000-10	REGULADOR PRESIÓN 1"

**FRL MODEL — AW2000 - AW5000**



Model	Specifications				Accessories		Drain Function	Auto Drain Model
	Rated Flow (L/min)	Port Size (G)	Pressure Gauge Size	Weight (kg)	Bracket	Pressure Gauge		
AW2000-02	550	1/4	1/8	0.36	B220	G36-10-01	Manual Drain	AW2000-01D
AW3000-02	2000	1/4	1/8	0.56	B320			AW3000-02D
AW3000-03		3/8					AW3000-03D	
AW4000-04	4000	1/2	1/4	1.15	B420	G46-10-02	b. Manual Drain	AW4000-04D
AW5000-06	5500	3/4	1/4	1.7				AW5000-06D
AW5000-10		1					AW5000-10D	

**Specification**

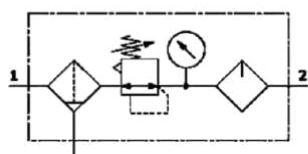
Model	2000		3000		4000		5000	
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	1"
Working medium	Air							
Filtering level (µm)	40 (or) 5							
Pressure regulating range	Automatic and differential drain: 0.15 ~ 0.9 MPa (12 ~ 130 psi) / Manual drain: 0.05 ~ 0.9 MPa (7 ~ 130 psi)							
Max. Pressure	1.0 MPa (145 psi)							
Guaranteed pressure	1.5 MPa (215 psi)							
Temperature range (°C)	-5 ~ 70 (No Freezing)							
Water capacity (CC)	10		40				80	

**Standard Rated Flow**

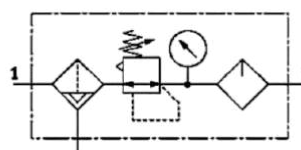
**(L/min)**

Model	Port Size					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
AW2000—□□	1100	1180	-	-	-	-
AW2000—□□5M	880	950	-	-	-	-
AW3000—□□	-	2100	2310	-	-	-
AW3000—□□5M	-	1680	1850	-	-	-
AW4000—□□	-	-	5200	5700	5750	-
AW4000—□□5M	-	-	4160	4560	4560	-
AW5000—□□	-	-	-	-	6200	6800
AW5000—□□5M	-	-	-	-	5000	5500

**SYMBOL**



Manual drain

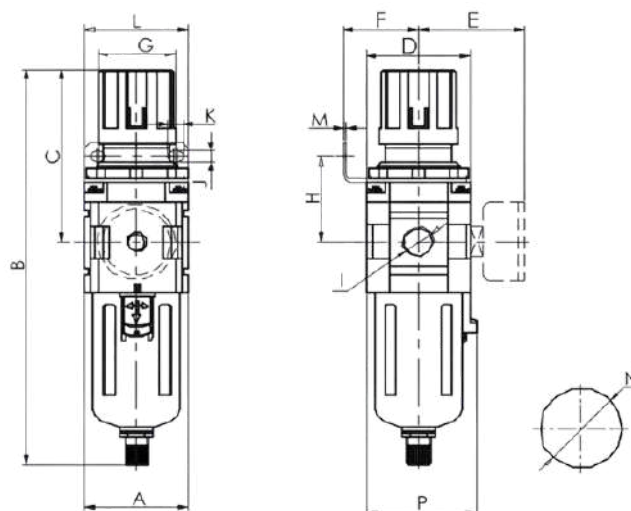
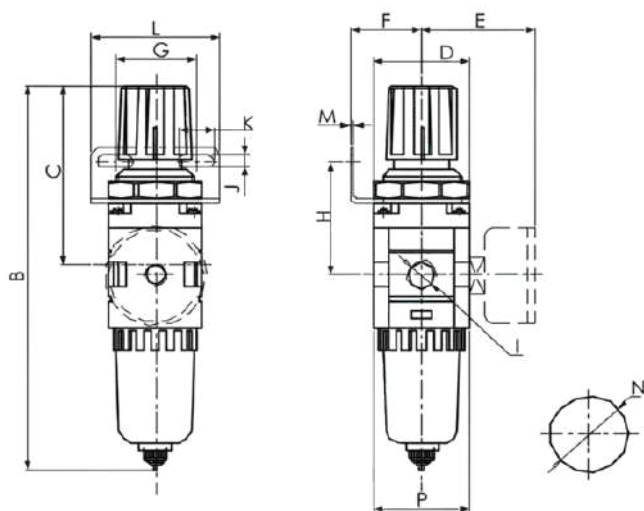


Semi or full auto drain

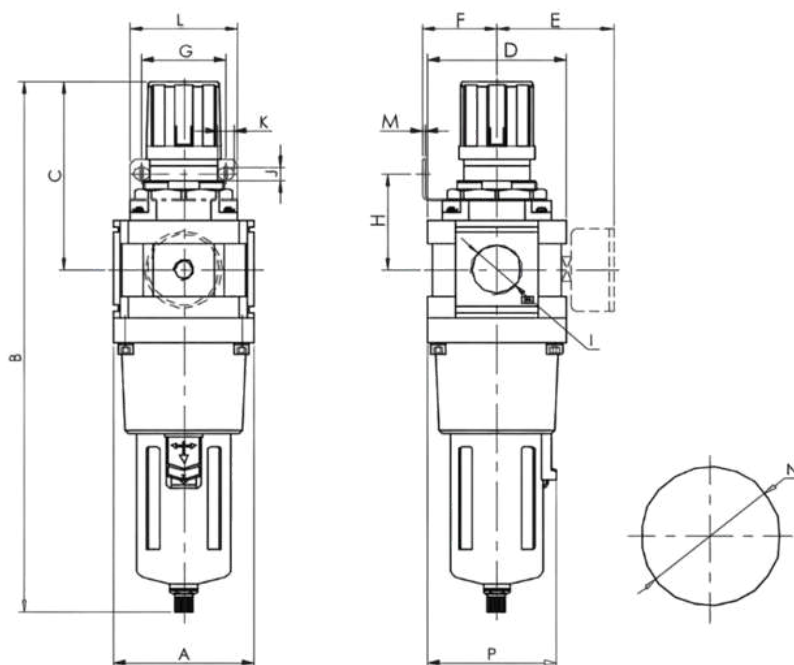


**ORDERING CODE**

<b>Series</b> AW: AW / AW Series FR CIAW: CIAW / CIAW Series FR	AW	40	00	-	01	5M	N	D	-	J	-	P
<b>Body Dimension</b>	20: 2000 / Body		40: 4000 / Body		30: 3000 / Body		50: 5000 / Body					
<b>Port Size</b>	2000—01: 1/8"		02: 1/4"		3000—02: 1/4"		03: 3/8"		4000—03: 3/8"		04: 1/2" 06: 3/4"	
<b>Filter Grade</b>	40 µm / Blank: 40 µm		5M: 5 µm									
<b>Pressure Gauge Code</b>	Blank: With pressure gauge		N: No pressure gauge									
<b>Bracket Code</b>	Blank: With bracket		J: No bracket									
<b>Drain Type</b>	Blank: Manual drain		D: Automatic drain									
<b>Thread Type</b>	G / Blank: G		P: PT		T: NPT							

**AW1000 — 2000**
**AW3000 — 4000**


**AW5000**



Model	Sign	A	B	C	D	E	F	G	H	Port Size	J	K	L	M	N	P
AW1000—M5		25	109.5	50.5	25	26	25	28	30	M5	4.5	6.5	40	2	20.5	28
AW2000—01		40	164.5	78	40	56.8	30	34	43.5	G 1/8"	5.4	15.4	55	2.3	33.5	40
AW2000—02		40	164.5	78	40	56.8	30	34	43.5	G 1/4"	5.4	15.4	55	2.3	33.5	40
AW3000—02		53	211	92.5	53	60.8	39	40	46	G 1/4"	6.5	8	53	2.3	42.5	56
AW3000—03		53	211	92.5	53	60.8	39	40	46	G 3/8"	6.5	8	53	2.3	42.5	56
AW4000—03		70	262	112	70	70.5	49.2	54	53.5	G 3/8"	8.5	10.5	70	2.3	52.5	73
AW4000—04		70	262	112	70	70.5	49.2	54	53.5	G 1/2"	8.5	10.5	70	2.3	52.5	73
AW4000—06		75	267	114	70	70.5	49.2	54	55.5	G 3/4"	8.5	10.5	70	2.3	52.5	73
AW5000—06		90	338	116	90	75.5	49.2	54	62	G 3/4"	8.5	10.5	70	2.3	52.5	90
AW5000—10		90	338	116	90	75.5	49.2	54	62	G 1"	8.5	10.5	70	2.3	52.5	90

**Managed Models**

AW2000-02	FILTRO REGULADOR 1/4"
AW3000-02	FILTRO REGULADOR 1/4"
AW3000-03	FILTRO REGULADOR 3/8"
AW4000-04	FILTRO REGULADOR 1/2"
AW5000-06	FILTRO REGULADOR 3/4"
AW5000-10	FILTRO REGULADOR 1"
AW2000-02D	FILTRO REGULADOR CON AUTO AUTO PURGA 1/4"
AW3000-02D	FILTRO REGULADOR CON AUTO AUTO PURGA 1/4"
AW3000-03D	FILTRO REGULADOR CON AUTO AUTO PURGA 3/8"
AW4000-04D	FILTRO REGULADOR CON AUTO AUTO PURGA 1/2"
AW5000-06D	FILTRO REGULADOR CON AUTO AUTO PURGA 3/4"
AW5000-10D	FILTRO REGULADOR CON AUTO AUTO PURGA 1"

**AF MODEL — AF2000 - AF4000**



Model	Specifications				Accessories	Drain Function	Auto Drain Model
	Rated Flow ( L/min )	Port Size ( G )	Bowl Capacity (cm3)	Weight ( kg )			
<b>AF2000-02</b>	750	1/4	15	0.19	B240	Manual Drain	AF2000-02D
<b>AF3000-02</b>	1500	1/4	20	0.29	B340	a. Air Shutoff Drain	AF3000-02D
<b>AF3000-03</b>		3/8				AF3000-03D	
<b>AF4000-04</b>	4000	1/2	45	0.55	B440	b. Manual Drain	AF4000-04D

**Specification**

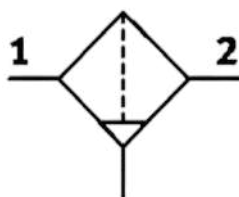
Model	2000		3000		4000		5000	
Port Size	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"
Working medium	Air							
Filtering level (µm)	40 (or) 5							
Max. Pressure	1.0 MPa (145 psi)							
Guaranteed pressure	1.5 MPa (215 psi)							
Temperature range (°C)	-5 ~ 70 (No Freezing)							
Water capacity (CC)	10		40				80	

**Standard Rated Flow**

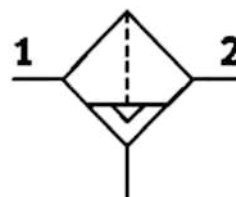
**(L/min)**

Model	Port Size					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
AF2000—□□	1230	1280	-	-	-	-
AF2000—□□5M	980	1024	-	-	-	-
AF3000—□□	-	2200	2390	-	-	-
AF3000—□□5M	-	1760	1912	-	-	-
AF4000—□□	-	-	5290	5800	5870	-
AF4000—□□5M	-	-	4232	4640	4696	-
AF5000—□□	-	-	-	-	7200	7700
AF5000—□□5M	-	-	-	-	5760	6160

**SYMBOL**



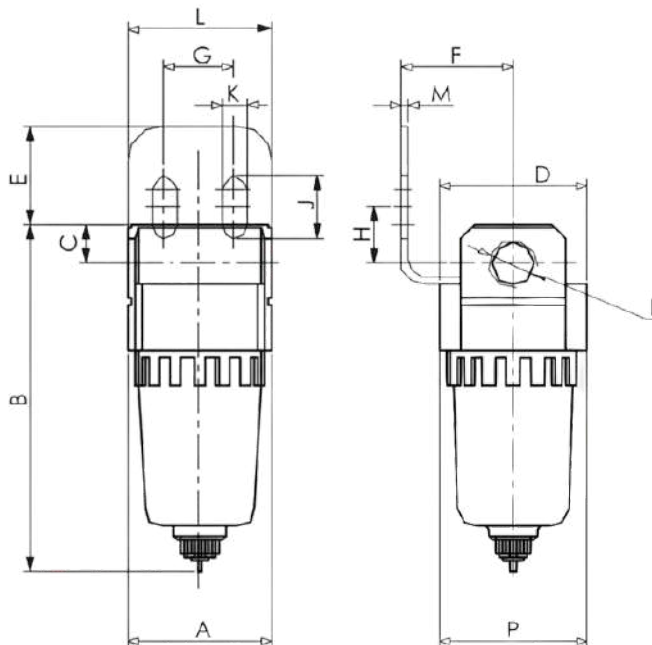
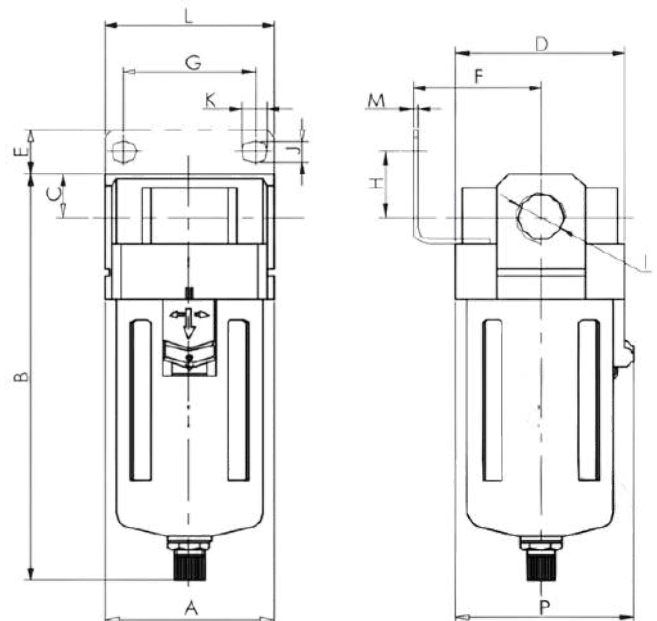
Manual drain



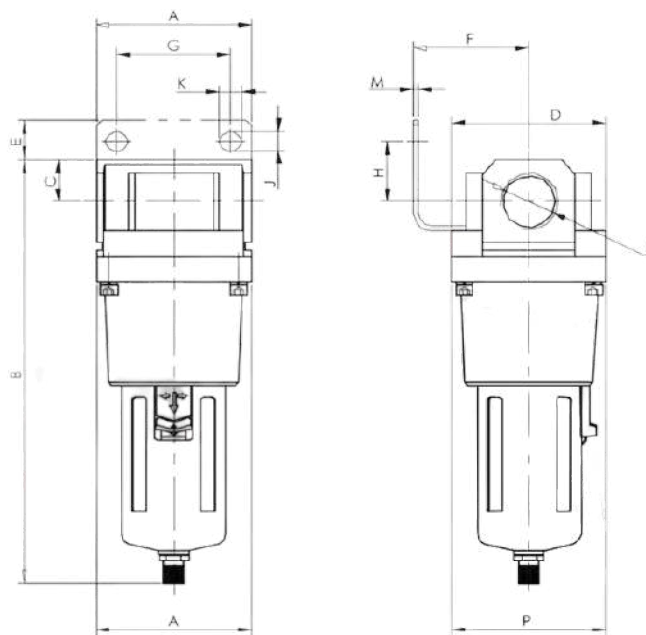
Semi or full auto drain

**ORDERING CODE**

	AF	20	00	—	01	5M	D	J	—	P
<b>Series</b>	AF: AC / WAC Series F.R.L CIAF: CIAF / CIAF Series Filter									
<b>Body Dimension</b>	20: 2000 / Body      40: 4000 / Body 30: 3000 / Body      50: 5000 / Body									
<b>Port Size</b>	2000—01: 1/8"      02: 1/4" 3000—02: 1/4"      03: 3/8" 4000—03: 3/8"      04: 1/2"      06: 3/4" 5000—06: 3/4"      10: 1"									
<b>Filter Grade</b>	40 µm / Blank: 40 µm 5M: 5 µm									
<b>Drain Type</b>	Blank: Manual drain D: Automatic drain									
<b>Bracket Code</b>	Blank: With bracket J: No bracket									
<b>Thread Type</b>	G / Blank: G P: PT T: NPT									

**AF1000 — 2000**

**AF3000 — 4000**


**AF3000 — 4000**



Model	Sign	A	B	C	D	E	F	G	H	Port Size	J	K	L	M	P
AF1000—M5		25	61.5	11	25	26	25	28	30	M5	4.5	6.5	40	2	28
AF2000—01		40	95	17	40	56.8	30	34	44	G 1/8"	5.4	15.4	55	2.3	40
AF2000—02		40	95	17	40	56.8	30	34	44	G 1/4"	5.4	15.4	55	2.3	40
AF3000—02		53	127.5	35	53	60.8	39	40	46	G 1/4"	6.5	8	53	2.3	56
AF3000—03		53	127.5	35	53	60.8	39	40	46	G 3/8"	6.5	8	53	2.3	56
AF4000—03		70	149.5	37.5	70	70.5	49.2	54	54	G 3/8"	8.5	10.5	70	2.3	73
AF4000—04		70	149.5	37.5	70	70.5	49.2	54	54	G 1/2"	8.5	10.5	70	2.3	73
AF4000—06		75	154	40.5	70	70.5	49.2	54	55.5	G 3/4"	8.5	10.5	70	2.3	73
AF5000—06		90	168	48	90	75.5	49.2	54	62	G 3/4"	8.5	10.5	70	2.3	90
AF5000—10		90	168	48	90	75.5	49.2	54	62	G 1	8.5	10.5	70	2.3	90

**Managed Models**

AF2000-02	FILTRO DE 40 m 1/4"
AF3000-02	FILTRO DE 40 m 1/4"
AF3000-03	FILTRO DE 40 m 3/8"
AF4000-04	FILTRO DE 40 m 1/2"

**MODEL - AOU**



## AOU

The AOU consisted of AOFR and AOL, each unit can be ordered separately.

The AOF with water separator cleans the compressed air of fluid oil, condensation and dirty particles. For special application, the standard 40 µm filter element may easily be replaced by a 5 µm filter element. The AOR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

The proportional lubricator adds a regulated quantity of oil to the filtered air. The oil-mist content proportional to the flow and oil can be added during operation. The oil drip rate is controlled by the adjustable bolt. Normally, 1 to 12 drops/1000L of the air is sufficient.

AOU		Specifications							
Service units		MINI			MIDI			MAXI	
Manual Drain	Working pressure: 12 bar, 40 µm	AOU-1/8-MINI	AOU-1/4-MINI	AOU-3/8-MINI	AOU-3/8-MIDI	AOU-1/2-MIDI	AOU-3/4-MIDI	AOU-3/4-MAXI	AOU-1-MAXI
	Working pressure: 7 bar, 40 µm	AOU-1/8-7-MINI	AOU-1/4-D-7-MINI	AOU-3/8-7-MINI	AOU-3/8-7-MIDI	AOU-1/2-D-7-MIDI	AOU-3/4-7-MIDI	AOU-3/4-7-MAXI	AOU-1-7-MAXI
Manometer	Working pressure: 12 bar, 5 µm	AOU-1/8-5M-MINI	AOU-1/4-5M-MINI	AOU-3/8-5M-MINI	AOU-3/8-5M-MIDI	AOU-1/2-5M-MIDI	AOU-3/4-5M-MIDI	AOU-3/4-5M-MAXI	AOU-1-5M-MAXI
	0 ~ 12 bar	OMA-40-16-1/8			OMA-50-16-1/4			OMA-50-10-1/4	
0 ~ 7 bar		OMA-40-10-1/8			OMA-50-10-1/4				
Medium		Compressed air							
Features of structure		Sintered filter with water separator; MINI/MIDI/MAXI: Piston regulator; Diaphragm type regulator; Direct constant-density lubricator							
Mounting type		Pipe mounting or foot mounting							
Assembly position		Vertical ± 5°							
Connctcion		G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Standard nominal flow rate	AOU - ... (-A)	700	1000	1200	2000	2600	2600	7000	8000
	AOU - ... -7- (-A)	800	1300	1500	2500	2800	2800	8500	8700
	AOU - ... -5M (-A)	600	850	1050	1700	1800	2100	6500	7200
Primary Pressure	Manual condensate drain	1 ~ 16 bar							
	Automatic condensate drain	1.5 ~ 12 bar							
Working pressure		0.5 ~ 12 bar / 0.5 ~ 7 bar							
Min. Standard nominal flow rate		3 L/min			6 L/min			10 L/min	
Grade of filtration		40 µm / 5 µm							
Capacity of condensate fluid		22 ml							
Temperature range		0 ~ 60 °C							
Material information		Housing: Zinc die-casting; Filter bowl and oil bowl; PC; Metal bowl guard; Aluminium alloy; Sealing: NBR; Adjusting knob: POM							

### Managed Models

<b>AOU-02</b>	UNIDAD MANTENIMIENTO ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/4"
<b>AOU-04</b>	UNIDAD MANTENIMIENTO ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/2"
<b>AOU-02D</b>	UNIDAD MANTENIMIENTO ALTA PRESIÓN 16 KG/CM <sup>2</sup> CON AUTOPURGA 1/4"
<b>AOU-04D</b>	UNIDAD MANTENIMIENTO ALTA PRESIÓN 16 KG/CM <sup>2</sup> CON AUTOPURGA 1/2"

## AOR



Filter and pressure regulator combine a single unit, and cleans the compressed air of fluid oil, condensation and dirty particles. For special application the standard 40 µm filter element may easily be replaced by a 5 µm Filter element.

The AOR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

AOFR		Specifications								
Service units		MINI				MIDI			MAXI	
Manual Drain	Working pressure: 12 bar, 40 µm	AOFR-1/8-MINI	AOFR-1/4-MINI	AOFR-3/8-MINI	AOFR-3/8-MIDI	AOFR-1/2-MIDI	AOFR-3/4-MIDI	AOFR-3/4-MAXI	AOFR-1-MAXI	
	Working pressure: 7 bar, 40 µm	AOFR-1/8-7-MINI	AOFR-1/4-D-7-MINI	AOFR-3/8-7-MINI	AOFR-3/8-7-MIDI	AOFR-1/2-D-7-MIDI	AOFR-3/4-7-MIDI	AOFR-3/4-7-MAXI	AOFR-1-7-MAXI	
Manometer	Working pressure: 12 bar, 5 µm	AOFR-1/8-5M-MINI	AOFR-1/4-5M-MINI	AOFR-3/8-5M-MINI	AOFR-3/8-5M-MIDI	AOFR-1/2-5M-MIDI	AOFR-3/4-5M-MIDI	AOFR-3/4-5M-MAXI	AOFR-1-5M-MAXI	
	0 ~ 12 bar	OMA-40-16-1/8				OMA-50-16-1/4			OMA-50-10-1/4	
Medium		Compressed air								
Features of structure		Sintered filter with water separator; MINI/MIDI: Diaphragm type regulator; MAXI: Piston regulator								
Mounting type		Pipe mounting or foot mounting								
Assembly position		Vertical ± 5°								
Connection		G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"	
Standard nominal flow rate	AOU - ...	700	1400	1600	3100	3400	3400	9000	10000	
	AOU - ... -7-	900	1500	1700	3400	3900	3900	9500	16000	
	AOU - ... -5M	650	1200	1350	2400	2500	2500	7300	7600	
Primary Pressure	Manual drain	1 ~ 16 bar								
Working pressure		0.5 ~ 12 bar / 0.5 ~ 7 bar								
Grade of filtration		40 µm / 5 µm								
Capacity of condensate fluid		22 ml								
Temperature range		0 ~ 60 °C								
Material information		Housing: Zinc die-casting; Filter bowl and oil bowl; PC; Metal bowl guard; Aluminium alloy; Sealing: NBR; Adjusting knob: POM								

### Managed Models

<b>AOFR-02</b>	FILTRO REGULADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/4"
<b>AOFR-04</b>	FILTRO REGULADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/2"
<b>AOFR-02D</b>	FILTRO REGULADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> CON AUTOPURGA 1/4"
<b>AOFR-04D</b>	FILTRO REGULADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> CON AUTOPURGA 1/2"

## AOL



The direct constant-density lubricator add regulated quantity oil to the compressed air. A valve maintains oil mist content proportional to the compressed oil flow.

The pressure drop that occurs when the air flow through a sight feed oil cup delivers oil from the bowl to the sight oil indicator. The drop of the oil flows into the air channel when it is atomized.

The oil drip rate is controlled by means of the regulating screw. Normally, 1 to 12 drops/1000L of the air is sufficient.

AOL	Specifications							
Service units	MINI			MIDI			MAXI	
Manual Drain	AOL-1/8-MINI	AOL-1/4-MINI	AOL-3/8-MINI	AOL-3/8-MIDI	AOL-1/2-MIDI	AOL-3/4-MIDI	AOL-3/4-MAXI	AOL-1-MAXI
Medium	Compressed air							
Features od structure	Sintered filter with water sparator; The direct constant—density lubricator							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ± 5°							
Connetcion	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Standard nominal flow rate	1300	2300	2700		6100	6300	8400	9000
Max. Working pressure	16 bar							
Min. Standard nominal flow rate	3 L/min			6 L/min			10 L/min	
Max. condensate capacity	22 ml							
Temperature range	0 ~ 60 °C							
Materials information	Housing: Zinc—casting; Filter bowl and oil bowl; PC; Metal bowl guard; Aluminium alloy; Sealing: NBR; Adjusting knob: POM							
Recommended oil	ISO VG 32 or the same grade							

### Managed Models

<b>AOL-02</b>	LUBRICADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/4"
<b>AOL-04</b>	LUBRICADOR ALTA PRESIÓN 16 KG/CM <sup>2</sup> 1/2"



**ACCESORIES**

**MEM**



MEM-AOFR02	MEMBRANA
MEM-AOFR04	MEMBRANA
MEM-AW2000	MEMBRANA
MEM-AW3000	MEMBRANA
MEM-AW4000	MEMBRANA
MEM-AW5000	MEMBRANA

**VASO**



VASO-L-AOU02	VASO LUBRICADOR
VASO-L-AOU04	VASO LUBRICADOR
VASO-F-AOU02	VASO FILTRO
VASO-F-AOU04	VASO FILTRO

**FB**



FB-AOU02	FILTRO BRONCE
FB-AOU04	FILTRO BRONCE
FB-AF2000	FILTRO BRONCE
FB-AF3000	FILTRO BRONCE
FB-AF4000	FILTRO BRONCE
FB-AF5000	FILTRO BRONCE

**VASO**



VASO-AL200A-02	VASO PLÁSTICO LUBRICADOR
VASO-AL300A-03	VASO PLÁSTICO LUBRICADOR
VASO-AL400A-04	VASO PLÁSTICO LUBRICADOR
VASO-AF200A-02	VASO PLÁSTICO FILTRO SERIE
VASO-AF300A-03	VASO PLÁSTICO FILTRO SERIE
VASO-AF400A-04	VASO PLÁSTICO FILTRO SERIE
VASO-AL2000	VASO LUBRICADOR
VASO-AL3000	VASO LUBRICADOR
VASO-AL4000	VASO LUBRICADOR
VASO-AL5000	VASO LUBRICADOR
VASO-AW2000	VASO FILTRO
VASO-AW3000	VASO FILTRO
VASO-AW4000	VASO FILTRO
VASO-AW5000	VASO FILTRO

**ACCESORIES**

**ACEITE**



ACEITE	LITRO DE ACEITE SAE 5
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**GS 40**



GS 40-1/8	MANÓMETRO 1/8", DIÁMETRO 40mm, 0-10 kgf/cm <sup>2</sup> , FIJACIÓN TRASERA
GS 40-1/4	MANÓMETRO 1/4", DIÁMETRO 40mm, 0-10 kgf/cm <sup>2</sup> , FIJACIÓN TRASERA

**AR**



AR20Y	BASE REGULADOR PRESIÓN
AR30Y	BASE REGULADOR PRESIÓN
AR40Y	BASE REGULADOR PRESIÓN
AR50Y	BASE REGULADOR PRESIÓN



Connecting for Better Life

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## CYLINDERS



CYLINDERS — MODEL DNC

Ordering Code



DNC	63	×	50		S	LB
DNCD	63	×	50	-	S	LB
DNCJ	63	×	50	- 20 -	S	LB

**规格代号**  
Specification number

DNC:标准复动型  
Standard double action

DNCD:双轴复动型  
Double-shaft double action

DNCJ:双轴复动行程可调型  
Double shaft double action adjustable stroke






**缸径**  
Bore

32	80
40	100
50	125
63	

**可调行程**  
Adjustable stroke

10: 10mm  
20: 20mm  
30: 30mm  
40: 40mm  
50: 50mm  
75: 75mm  
100: 100mm

**固定形式**  
Accessories

空白	基本型
Blank	Basic type
LB	
FA/FB	
CA	
CB	
SDB	

**行程 Stroke**  
详见行程列表  
Details as shown in the stroke list

**磁石代号 Magnet code**  
空白: 不附磁石  
Blank: without magnet  
S: 附磁石  
S: magnet

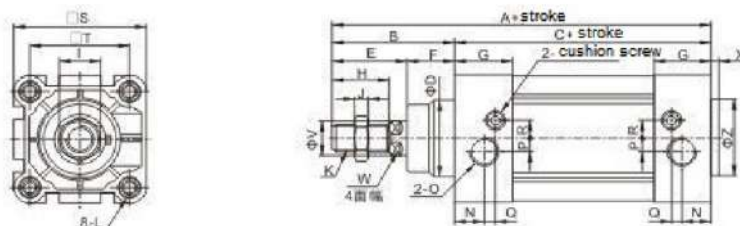
Specifications

Bore (mm)	32	40	50	63	80	100	125
Action Type	Double Action						
Fluid	Air (to be filtered by 40 μm filter element)						
Pressure Range	0.1 MPa — 1.0 MPa						
Max. Pressure	1.5 MPa						
Temperature Range	50 — 70						
Speed Range	50 — 800 mm/s						
Port Size	G1/8		G1/4		G3/8		G1/2

Overall Dimension

外形尺寸图(毫米) / Dimension Data (mm)

DNC



Bore	A	B	C	D	E	F	G	H	I	J	K	L	N	O	P	Q	R	S	T	V	W	X	Z
32	142	48	94	30	30	18	25	22	17	6	M10 x 1.25	M6	13.5	PT 1/8	5.8	5.5	6.3	45	32.5	12	10	4	30
40	159	54	105	35	32.5	21.5	30	24	17	7	M12 x 1.25	M6	15	PT 1/4	6	7	9	51	38	16	13	4	35
50	175	69	106	40	42	27	30	32	23	8	M16 x 1.5	M8	15	PT 1/4	8	7.5	10.5	64	46.5	20	17	4	40
63	191	69	121	45	42	28	36	32	23	8	M16 x 1.5	M8	18	PT 3/8	8	6	10.5	75	56.5	20	17	4	45
80	214	86	128	45	51	35	36	40	26	10	M20 x 1.5	M10	16.5	PT 3/8	8	8.5	12.5	94	72	25	22	4	45
100	229	91	138	55	53	38	39	40	26	10	M20 x 1.5	M10	19.5	PT 1/2	10	7	12	112	89	25	22	4	55
125	279	119	160	60	73	46	45	54	41	13.5	M27 x 2	M12	23	PT 1/2	11	12	11	134	110	32	27	4	60

**MANAGED MODELS**

**DNC**



**Managed Models**

DNC32X100	PISTÓN 32 MM DIÁMETRO X 100 MM CARRERA
DNC32X150	PISTÓN 32 MM DIÁMETRO X 150 MM CARRERA
DNC40X75	PISTÓN 40 MM DIÁMETRO X 75 MM CARRERA
DNC40X100	PISTÓN 40 MM DIÁMETRO X 100 MM CARRERA
DNC50X50	PISTÓN 50 MM DIÁMETRO X 50 MM CARRERA
DNC50X75	PISTÓN 50 MM DIÁMETRO X 75 MM CARRERA
DNC50X100	PISTÓN 50 MM DIÁMETRO X 100 MM CARRERA
DNC50X150	PISTÓN 50 MM DIÁMETRO X 150 MM CARRERA
DNC50X250	PISTÓN 50 MM DIÁMETRO X 250 MM CARRERA
DNC63X100	PISTÓN 63 MM DIÁMETRO X 100 MM CARRERA
DNC63X200	PISTÓN 63 MM DIÁMETRO X 200 MM CARRERA
DNC63X250	PISTÓN 63 MM DIÁMETRO X 250 MM CARRERA
DNC100X125	PISTÓN 100 MM DIÁMETRO X 125 MM CARRERA
DNC125X125	PISTÓN 125 MM DIÁMETRO X 125 MM CARRERA

**KIT DNC**



**Managed Models**

KIT DNC 32	KIT REPARACIÓN DNC 32
KIT DNC 40	KIT REPARACIÓN DNC 40
KIT DNC 50	KIT REPARACIÓN DNC 50
KIT DNC 63	KIT REPARACIÓN DNC 63

CYLINDERS — MODEL MAL

Ordering Code



MAL	25 × 50	—	S	CM	LB
MALD	25 × 50	—	S	—	LB
MALJ	25 × 50	— 20 —	S	—	LB

**规格代号**  
Specification number

MAL: 铝合金迷你气缸 (复动型)  
Aluminum alloy Mini Cylinder(Double action)

MSAL: 铝合金迷你气缸 (单动伸出型)  
Aluminum alloy Mini Cylinder(Single action push)

MTAL: 铝合金迷你气缸 (单动引入型)  
Aluminum alloy Mini Cylinder(Single action pull)

MALD: 铝合金迷你气缸 (双轴复动型)  
Aluminum alloy Mini Cylinder(Double shaft double action)

MALJ: 铝合金迷你气缸 (双轴复动行程可调型)  
Aluminum alloy Mini Cylinder(Double shaft double action adjustable)

**可调行程**  
Adjustable stroke  
10: 10mm  
20: 20mm  
30: 30mm  
40: 40mm  
50: 50mm  
75: 75mm  
100: 100mm

**磁石代号/Magnet code**  
空白: 不附磁石  
Blank: without magnet  
S: 附磁石  
S: magnet

**缸径 Bore**  
20 25 32 40

**行程 Stroke**  
详见行程列表  
Details as shown in the stroke list

**固定形式**  
Accessories  
空白 Basic type  
LB  
FA  
SDB

**后盖形式**  
Rear lid type

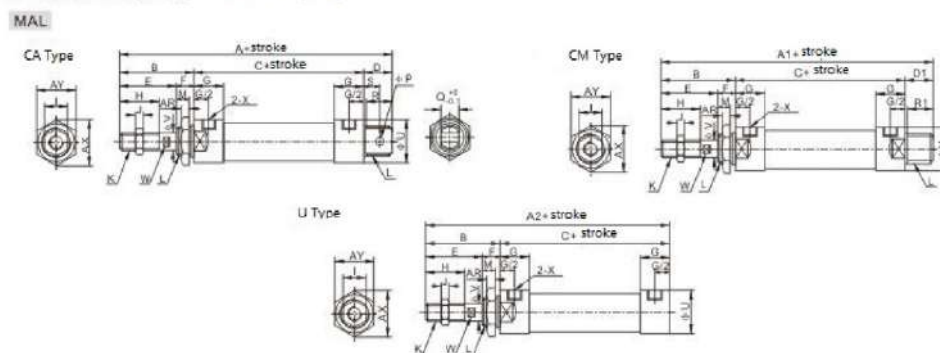
规格 Code	后盖形式 Rear lid type
MA	CA: 摆尾型 CA: tail type
MSAL	U: 平尾型 U: Perpendicular 90°
MTAL	CM: 圆尾型 CM: Round tail type

Specifications

Bore (mm)	20	25	32	40
Action Type	Single Action / Double Action			
Fluid	Air (to be filtered by 40 μm filter element)			
Pressure Range	Doble Action	0.1 MPa — 0.9 MPa		
	Single Action	0.2 MPa — 0.9 MPa		
Max. Pressure	1.35 MPa			
Temperature Range	-10 ~ 80 °C (No Freezing)			
Speed Range	50 — 800 mm/s			
Cushion Type	Rubber Cushion			
Port Size	G1/8			G1/4

Overall Dimension

外形尺寸图(毫米) / Dimensions(mm)



Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
20	131	122	110	40	70	21	12	28	12	16	20	12	6	M8 x 1.25	M22 x 1.5	10	8	16	19	10	12	29	8	6	PT 1/8	7	33	29
25	135	128	114	44	70	21	14	30	14	16	22	17	6	M10 x 1.25	M22 x 1.5	12	8	16	19	12	12	34	10	8	PT 1/8	7	33	29
32	141	128	114	44	70	27	14	30	14	16	22	17	6	M10 x 1.25	M24 x 2.0	12	10	16	25	12	15	39.5	12	10	PT 1/8	8	37	32
40	165	152	138	46	92	27	14	32	14	22	24	17	7	M12 x 1.25	M30 x 2.0	12	12	20	25	12	15	49.5	16	14	PT 1/4	9	47	41

**MANAGED MODELS**

**MAL**



**Managed Models**

MAL-16-25-S-CA	PISTÓN 16 MM DIÁMETRO X 25 MM CARRERA
MAL-16-50-S-CA	PISTÓN 16 MM DIÁMETRO X 50 MM CARRERA
MAL-20-50-S-CA	PISTÓN 20 MM DIÁMETRO X 50 MM CARRERA
MAL-25-25-S-CA	PISTÓN 25 MM DIÁMETRO X 25 MM CARRERA
MAL-25-50-S-CA	PISTÓN 25 MM DIÁMETRO X 50 MM CARRERA
MAL-25-100-S-CA	PISTÓN 25 MM DIÁMETRO X 100 MM CARRERA
MAL-32-50-S-CA	PISTÓN 32 MM DIÁMETRO X 50 MM CARRERA
MAL-32-100-S-CA	PISTÓN 32 MM DIÁMETRO X 100 MM CARRERA



## Ordering Code



<b>MGP</b>		<b>M</b>	<b>25</b> × <b>40</b>	<b>S</b>
<b>型号 Model</b>	<b>轴类零件</b>	<b>缸径 Bore</b>	<b>行程 Stroke</b>	<b>磁石代号</b>
MGP三轴气缸 (复动型) MGP.Tri-rod Cylinder (Double action)	Bearubg type M:滑动轴承 L:滚珠导向轴承 M:Bronze bearing L:Linear bearing	12 32 16 40 20 50 25 63	详见行程列表 Details as shown in the stroke list	Magnet code S: 附磁石 S: magnet

## Specifications

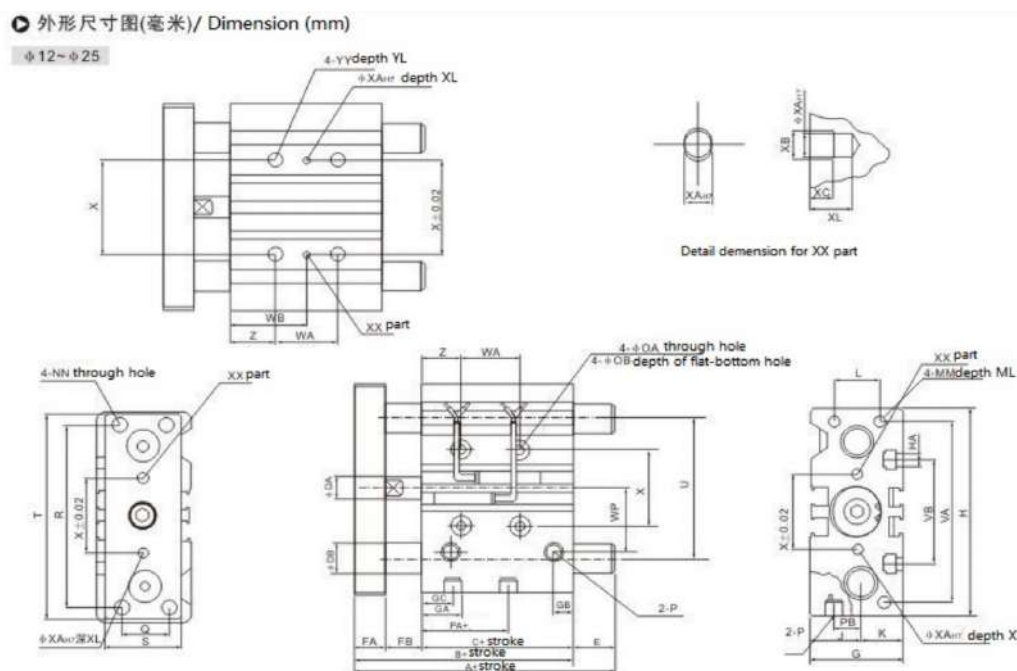
Bore (mm)	12	16	20	25	32	40	50	63	
Action Type	Double Action								
Fluid	Air								
Max. Pressure	1.35 MPa (13.5 Kgf/cm <sup>2</sup> )								
Pressure Rangs	0.1 MPa — 0.9 MPa								
Worktempe Ratura	-10 ~ 80 °C (No Freezing)								
Speed Range	50 — 500 mm/s								
Cushion Type	Rubber Cushion								
Stoke Tolerance	+1.50 mm								
Bearing	Bronze bearing / Linear bearing								
Non—rotaing tolerance	Broze Bearing	± 0.08°		± 0.07°		± 0.06°		± 0.05°	± 0.04°
	Linear Bearing	± 0.10°		± 0.09°		± 0.08°		± 0.06°	± 0.05°
Port Size	M5 x 0.8			PT 1/8°			PT 1/4°		

## Managed Models

MGPM—32—50—S	PISTÓN 32 MM DIÁMETRO X 50 MM CARRERA
MGPM—32—25—S	PISTÓN 32 MM DIÁMETRO X 25 MM CARRERA



Overall Dimension



Bore	Stroke	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q
12	10, 20, 30, 40,	42	29	6	8	5	26	11	7.5	58	M4	13	13	18	M4 x 0.7	10	M4 x 0.7	4.3	8	4.5	M5 x 0.8	13	8	18	14
	50, 75, 100																								
16	20, 30, 40, 50, 75, 100,	46	33	8	8	5	30	11	8	64	M4	15	15	22	M5 x 0.8	12	M5 x 0.8	4.3	8	4.5	M5 x 0.8	15	10	19	16
20	125, 150, 175, 200	53	37	10	10	6	36	10.5	8.5	83	M5	18	18	24	M5 x 0.8	13	M5 x 0.8	5.6	9.5	5.5		12.5	10.5	25	18
25		53.5	37.50	12	10	6	42	11.5	9	93	M5	21	21	30	M6 x 1.0	15	M6 x 1.0	5.6	9.5	5.5		12.5	13.5	28.5	26

Bore	Stroke	R	S	T	U	VA	VB	WA				WB				X	XA	XB	XC	XL	YY	YL	Z
								30 st	40 st	100 st	125 st	30 st	40 st	100 st	125 st								
12	10, 20, 30, 40,	48	22	56	41	50	37	20	40	-	15	25	-	23	3	3.5	3	6	M5 x 0.8	10	5		
16	50, 75, 100																					54	25
20	20, 30, 40, 50, 75, 100,	70	30	81	54	72	44	24	44	120	29	39	77	28	3	3.5	3	6	M6 x 1.0	12	17		
25	125, 150, 175, 200																					78	38

**CYLINDERS — MODEL CQ2**

Ordering Code



**CQ2 B 40 × 50 — D M**

<b>系列号</b> Serial number	CQ2 无内置 No built-in	<b>缸径</b> Bore	行程 Stroke	<b>动作型式</b> Action type
CDQ2 内置磁环型 The built-in type magnetic ring		12:Φ12mm 16:Φ16mm 20:Φ20mm 25:Φ25mm 32:Φ32mm 50:Φ50mm 40:Φ40mm 63:Φ63mm 80:Φ80mm 100:Φ100mm 125:Φ125mm		D 双动型 Double action type S 单动(弹簧押回型) Single acting (spring back) T 单动(弹簧押出型) Single action (spring)
<b>安装型式</b> Installation type	B 通孔(标准型) Through hole(standard type) A 两端螺孔式 Both ends of screw type	*单动气缸缸径最大至Φ50mm *single acting cylinder to bore maximum diameter of 50mm		<b>可选项</b> Optional
				无记号 杆端内螺纹(标准型) Unsigned Rod end internal thread(standard type) M 杆端外螺纹 Rod end external screw thread C 橡胶缓冲 Rubber cushion *单动气缸不可以加橡胶缓冲 *single action cylinder can not be added with rubber buffer

Specifications

Bore (mm)	12	16	20	25	32	40	50	63	80	100
Action Type	Single Action / Double Action									
Fluid	Air (to be filtered by 40 μm filter element)									
Pressure Range	Doble Action		0.1 MPa — 0.9 MPa							
	Single Action		0.2 MPa — 0.9 MPa							
Ensures Pressure Resistance	1.35 MPa									
Working Temperature	-10 ~ 80 °C (No Freezing)									
Speed Range	50 — 800 mm/s									
Cushion Type	Double action: 30 — 500 mm/s    Single action: 50 — 500 mm/s									
Port Size	M5			G1/8			G1/4		G3/8	

Managed Models

FA/FB 32	BRIDA DELANTERA
FA/FB 40	BRIDA DELANTERA
FA/FB 50	BRIDA DELANTERA
FA/FB 63	BRIDA DELANTERA
FA/FB 80	BRIDA DELANTERA
FA/FB 100	BRIDA DELANTERA
FA/FB 125	BRIDA DELANTERA



Connecting for Better Life

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## SOLENOID VALVE



## SOLENOID VALVE — 41000 SERIES



### ◆ 订购码 Ordering Code

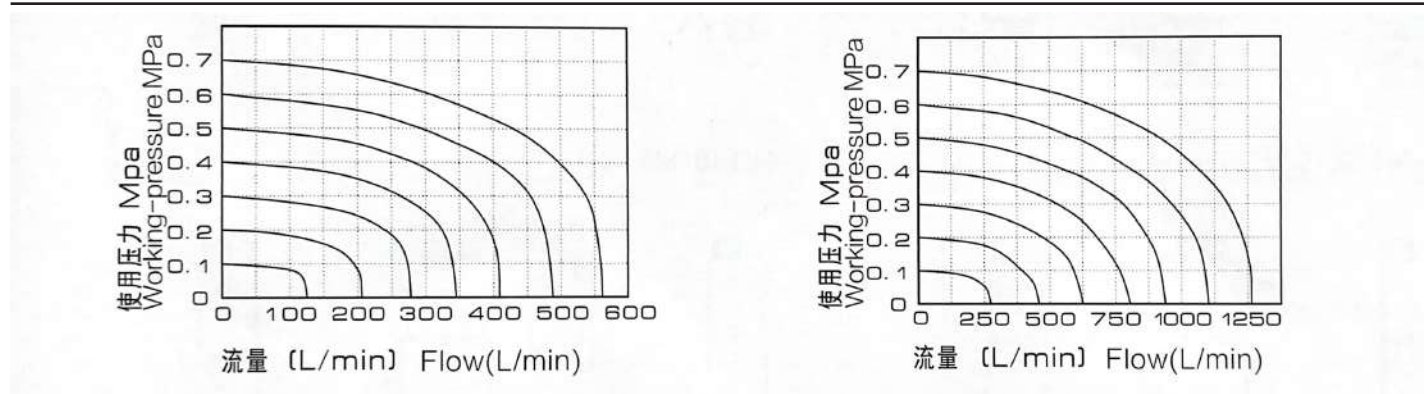
4V	1	10	06	B	AC220V	W	F
规格代码 Specification	系列代码 Series Code	线圈及位数 Coil and Type	接管口径 Port Size	接管形式及初始状态 Connection and Initial Status	标准电压 Standard Voltage	接线形式 Wiring	联座数 Joint
4V.二(三)位五通电磁阀	100系列	10.单头双位置	M5: M5 x 0.8	空白.管接式	DC12V DC24V	空白.茶色带灯端子式	1F-20F
4A.二(三)位五通气控阀	100 Series	20.双头双位置	06: 1/8"	B.二位五通板接式	AC24V 50Hz/60Hz	W 引线式	
3V.二位三通电磁阀		30C.双头三位置封闭型		三位五通板接式	AC110V 50Hz/60Hz	Blank: Without light terminal	
3A.二位三通气控阀		30E.双头三位置排气型		NC:二位三通常闭型	AC220V 50Hz/60Hz	LD: White with light terminal	
4V. 5/2 (3) way solenoid valve		30P.双头三位置压力型		NO:二位三通常开型		W: Lead wire	
4A. 5/2 (3) way air pilot valve		10: Single coil		Blank: Threaded			
3V. 3/2 way solenoid valve		20: Double coil		B. Sub-plated mounted (for 5/2, 5/3 way only)			
3A. 3/2 way air pilot valve		30C: Mid-position closed		NC: 3/2 way normal close			
		30E: Mid-position exhausted		NO: 3/2 way normal open			
		30P: Mid-position pressed					

### Specifications

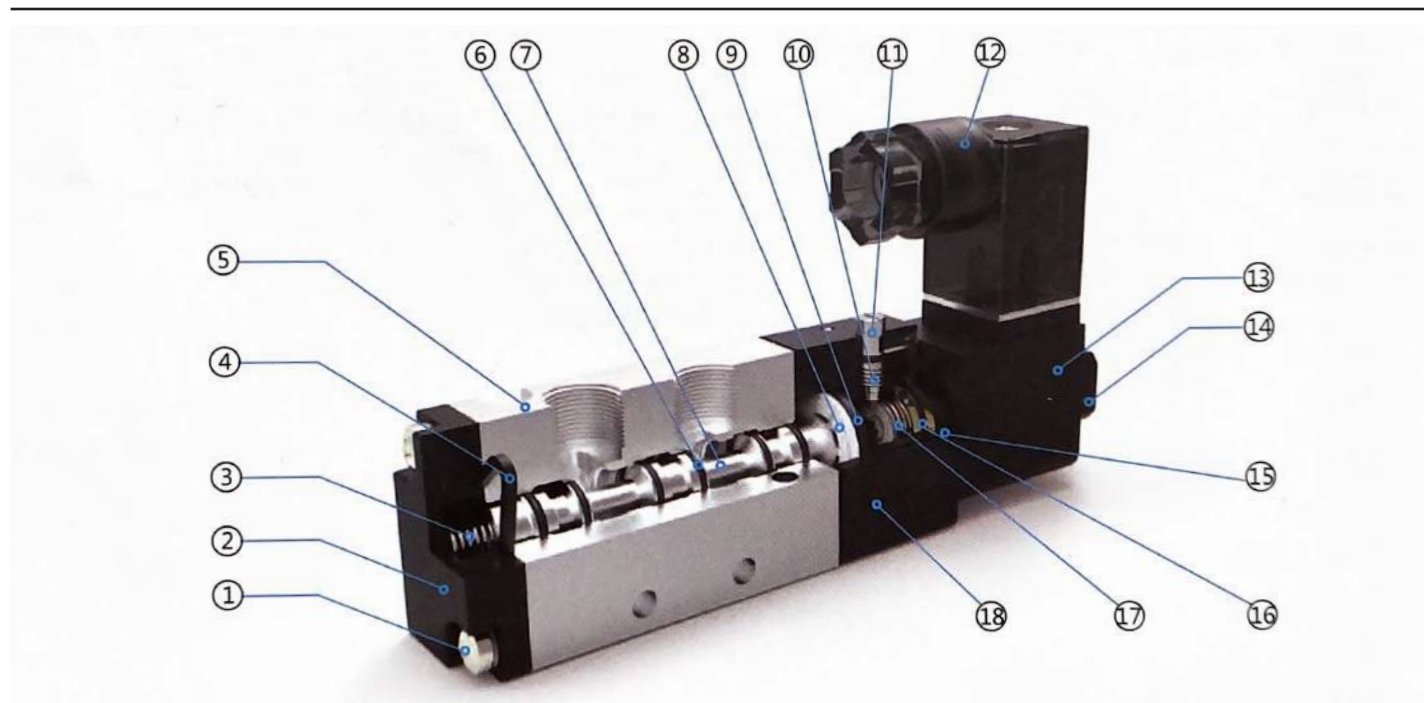
Model	4V110—M5	4V120—M5	4V130C—M5	4V130E—M5	4V130P—M5	4V110—06	J4V120—06	4V130C—06	4V130E—06	4V130P—06
	4A110—M5	4A120—M5	4A130C—M5	4A130E—M5	4A130P—M5	4A110—06	4A120—06	4A130C—06	4A130E—06	4A130P—06
Valve Type	5/2 Way		5/2 Way			5/2 Way		5/3 Way		
Effective Cross Section Area	10 mm <sup>2</sup> (CV = 0.56)		7 mm <sup>2</sup> (CV = 0.4)			12 mm <sup>2</sup> (CV = 0.67)		9 mm <sup>2</sup> (CV = 0.5)		
Model	3V110—M5	3V120—M5	3A110—M5	3A120—M5	3V110—06	J3V120—06	3A110—06	3A120—06		
						3/2 Way				
Effective Cross Section Area	10 mm <sup>2</sup> (CV = 0.56)					12 mm <sup>2</sup> (CV = 0.67)				
Port Size	Inlet, Outlet, Exhaust Port = M5 x 0.8					Inlet, Outlet, Exhaust Port = G 1/8"				
Working Medium	40 μm Filtered Air									
Operation	Internal piloted									
Working—pressure	0.15 ~ 0.8 MPa									
Max. Test Temperature	1.2 MPa									
Ambient Temperature	-20 ~ 70 °C									
Operating Voltage Tolerance	± 10 %									
Power Consumption	AC: 2.5 VA					DC: 2.5 W				
Connector Protection	IP65/F Class, IP 65									
Wiring Connector	Cable / Lead Wire or DIN Connector									
Switching Frequency	5 Cycles / Sec.									
Response Time	0.05 Sec.									

**SOLENOID VALVE – 41000 SERIES**

**Flow Chart**



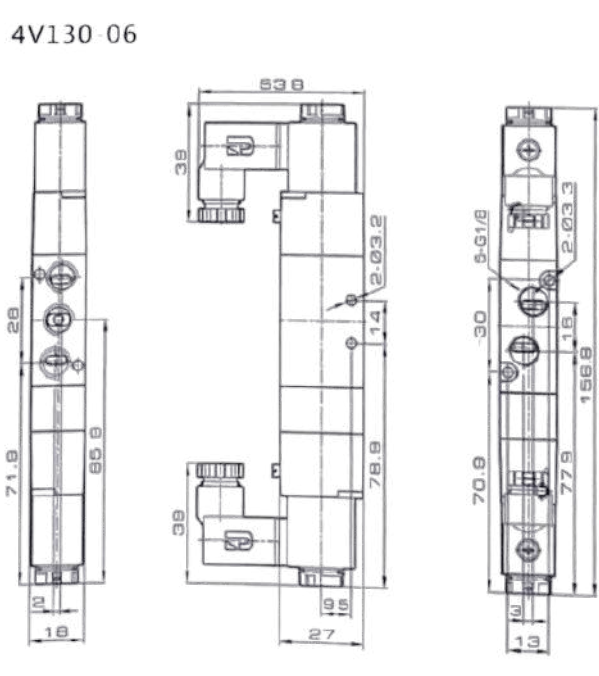
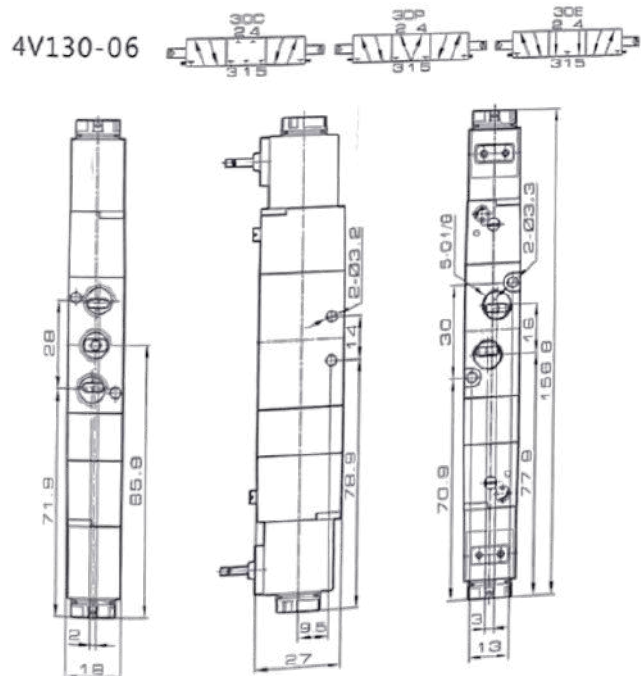
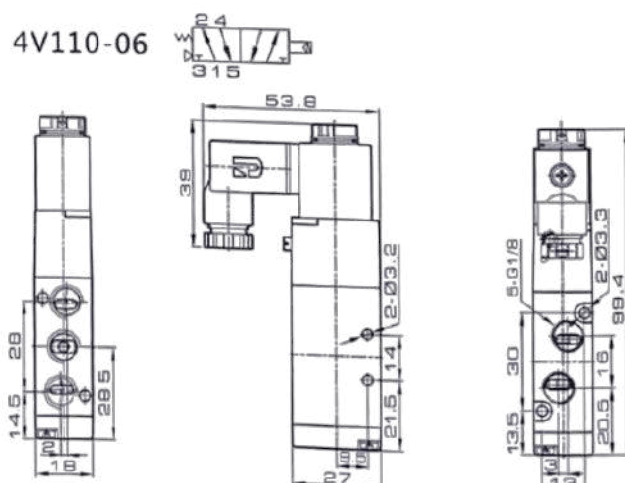
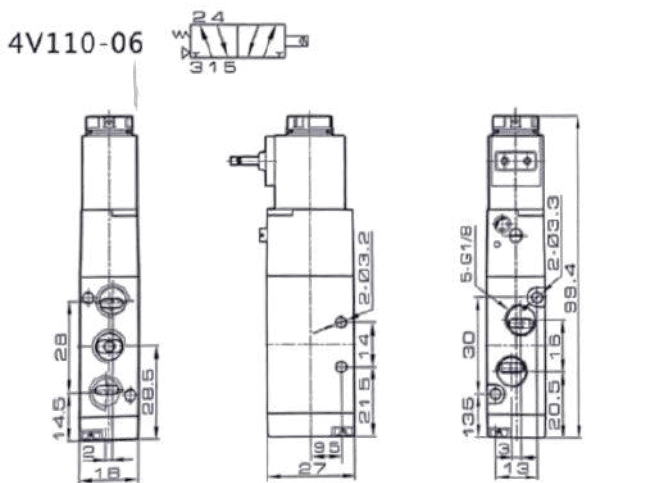
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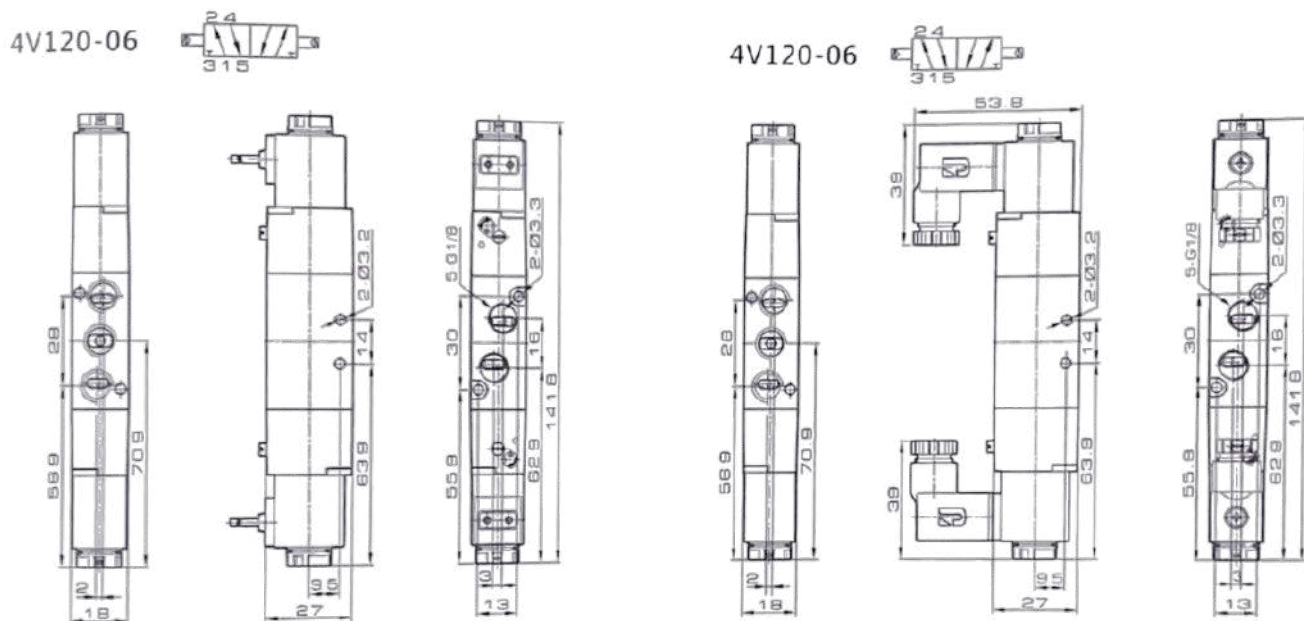


Number	Name	Number	Name	Number	Name
1	Cross slot pan screw	7	Valve Spool	13	Coil
2	Back cover	8	Piston	14	Coil nut
3	Spring	9	Y ring	15	Connecting part
4	Anomalous seal	10	Spring	16	O ring
5	Valve body	11	Manual ride spindle	17	Plunger
6	Flat ring	12	Terminal	18	Piloted valve base



**SOLENOID VALVE — 41000 SERIES**



**SOLENOID VALVE – 41000 SERIES**

**Managed Models**

<b>4V110-06</b>	ELECTROVÁLVULA 5/2 SIMPLE SOLENOIDE 1/8"
<b>4V120-06</b>	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE 1/8"
<b>4V130C-06</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO CERRADO 1/8"
<b>4V130E-06</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO ESCAPE 1/8"

**SOLENOID VALVE — 42000 SERIES**



◆ 订购码 Ordering Code

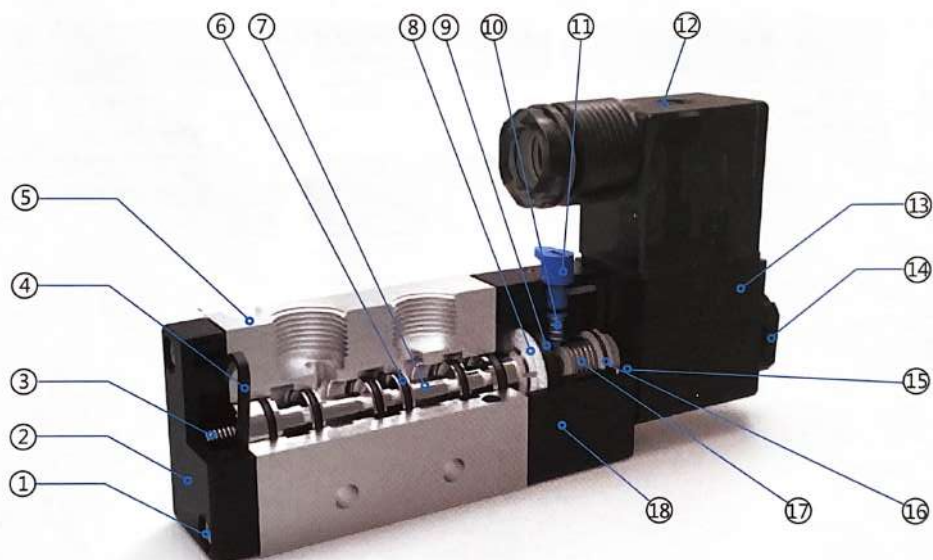
4V	2	10	08	B	AC220V	W	F
<b>规格代码</b> Specification	<b>系列代码</b> Series Code	<b>线圈及位数</b> Coil and Type	<b>接管口径</b> Port Size	<b>接管形式及初始状态</b> Connection and Initial status	<b>标准电压</b> Standard Voltage	<b>接线形式</b> Wiring	<b>联座数</b> Joint
4V:二(三)位五通电磁阀 4A:二(三)位五通气控阀 3V:二位三通电磁阀 3A:二位三通气控阀 4V: 5/2 (3) way solenoid valve 4A: 5/2 (3) way air pilot valve 3V: 3/2 way solenoid valve 3A: 3/2 way air pilot valve	200系列 200 Series	10: 单头双位置 20: 双头双位置 30C: 双头三位置封闭型 30E: 双头三位置排气型 30P: 双头三位置压力型 10: Single coil 20: Double coil 30C: Mid-position closed 30E: Mid-position exhausted 30P: Mid position pressed	06: 1/8" 06: 1/4"	空白: 管接式 B: 二位五通板接式 三位五通板接式 NC: 二位三通常闭型 NO: 二位三通常开型 Blank: Threaded B: Sub-plated mounted (for 5/2.5/3 way only) NC: 3/2 way normal close NO: 3/2 way normal open	DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz	空白 茶色带灯端子式 W 引线式 Blank: Without light terminal LDI: White with light terminal W: Lead wire	1F-20F

Model	4V210-06	4V220-06	4V230C-06	4V230E-06	4V230P-06	4V210-08	4V220-08	4V230C-08	4V230E-08	4V230P-08
	4A210-06	4A220-06	4A230C-06	4A230E-06	4A230P-06	4A210-08	4A220-08	4A230C-08	4A230E-08	4A230P-08
Valve Type	5/2 Way			5/3 Way			5/2 Way		5/3 Way	
Effective Cross Section Area	14 mm <sup>2</sup> (CV = 0.78)			12 mm <sup>2</sup> (CV = 0.67)			16 mm <sup>2</sup> (CV = 0.89)		12 mm <sup>2</sup> (CV = 0.67)	
Model	3V210-06	3V220-06	3A210-06	3A220-06	3V210-08	3V220-08	3A210-08	3A220-08		
Valve Type	3/2 Way									
Effective Cross Section Area	14 mm <sup>2</sup> (CV = 0.78)					16 mm <sup>2</sup> (CV = 0.89)				
Port Size	Inlet, Outlet, Exhaust Port = G 1/8"					Inlet, Outlet = G 1/4", Exhaust Port = G 1/8"				
Working Medium	40 μm Filtered Air									
Operation	Internal piloted									
Working—pressure	0.15 ~ 0.8 MPa									
Max. Test Temperature	1.2 MPa									
Ambient Temperature	-20 ~ 70 °C									
Operating Voltage Tolerance	± 10 %									
Power Consumption	AC: 3.5 VA					DC: 3.0 W				
Connector Protection	IP65/F Class, IP 65									
Wiring Connector	Cable / Lead Wire or DIN Connector									
Switching Frequency	5 Cycles / Sec.									
Response Time	0.05 Sec.									



**SOLENOID VALVE – 42000 SERIES**

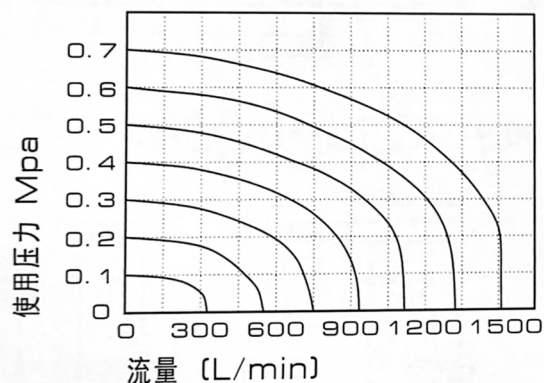
Internal Structure



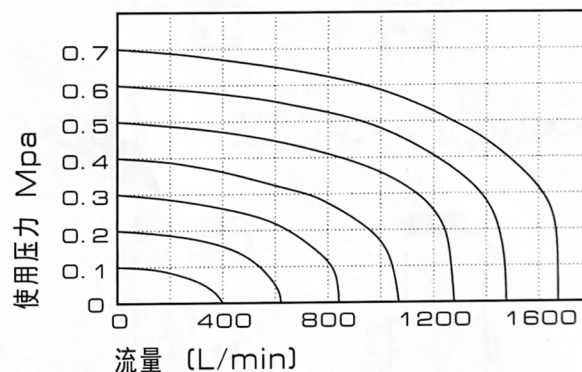
Number	Name	Number	Name	Number	Name
1	Cross slot pan screw	7	Valve Spool	13	Coil
2	Back cover	8	Piston	14	Coil nut
3	Spring	9	Y ring	15	Connecting part
4	Anomalous seal	10	Spring	16	O ring
5	Valve body	11	Manual ride spindle	17	Plunger
6	Flat ring	12	Terminal	18	Piloted valve base

Flow Chart

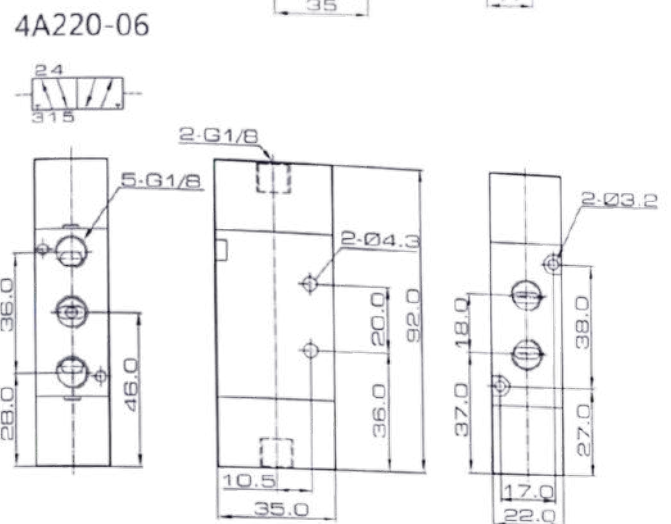
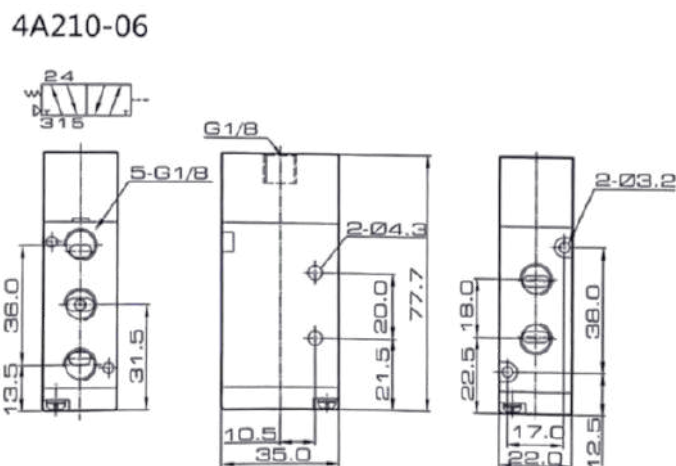
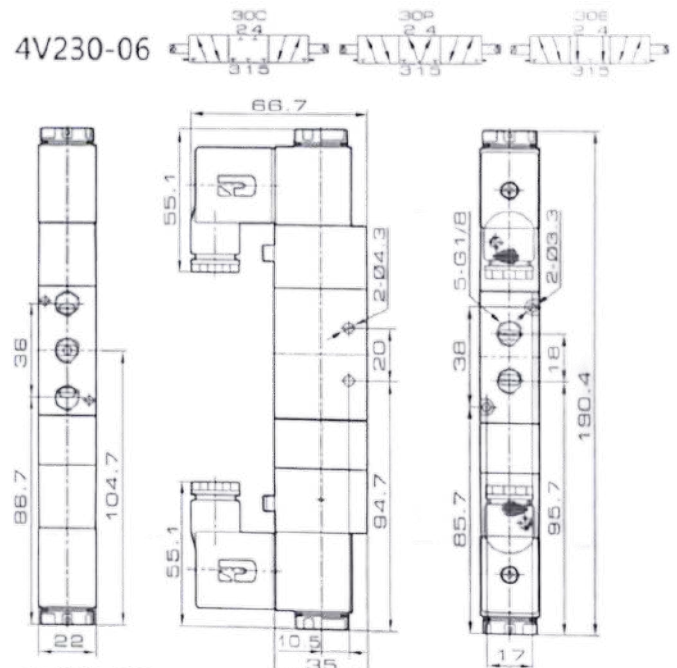
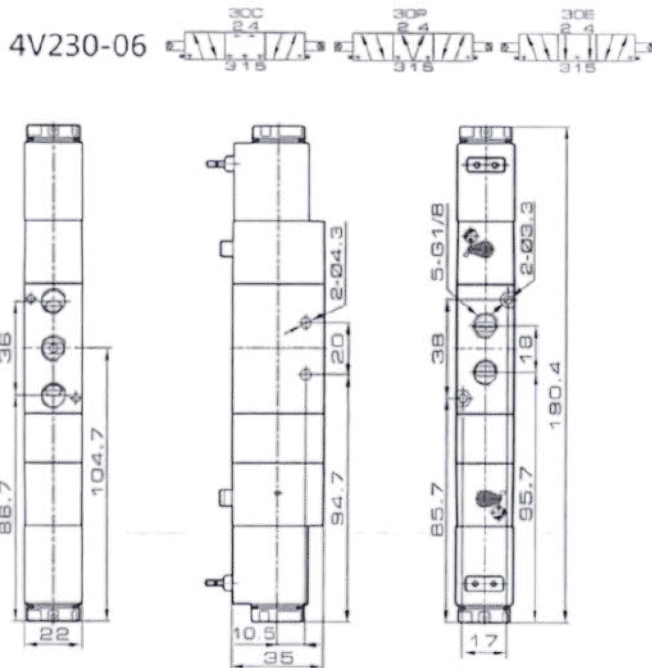
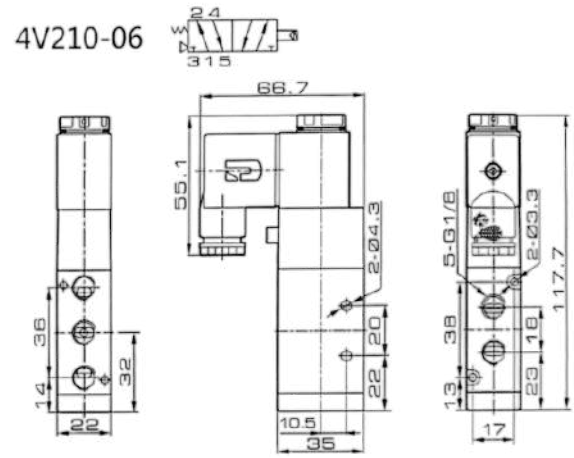
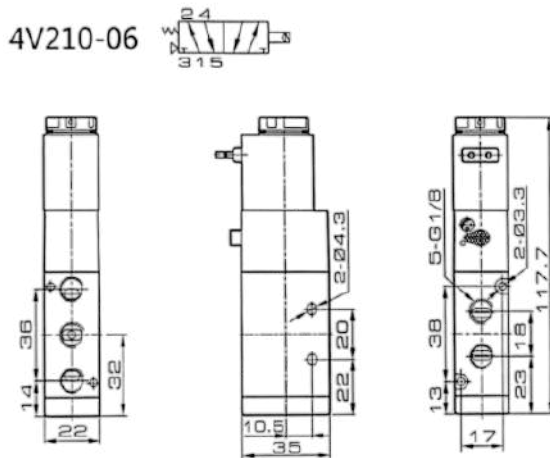
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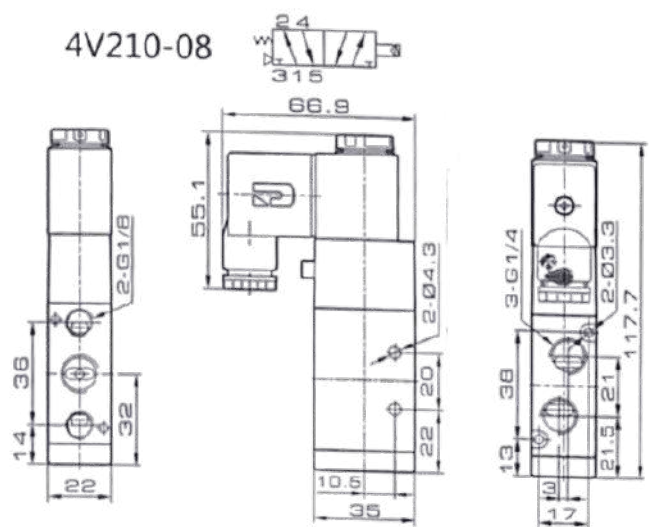
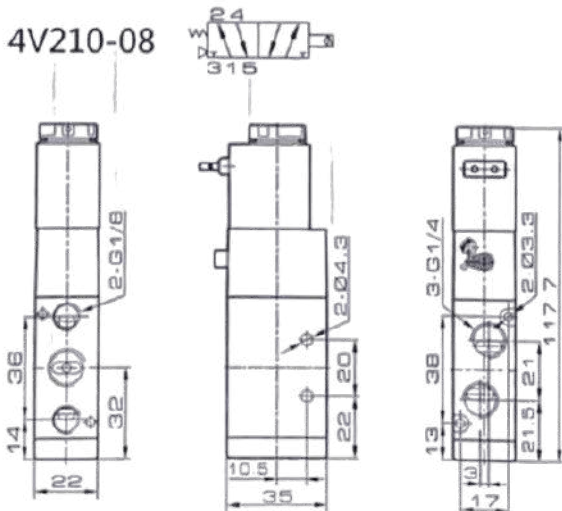
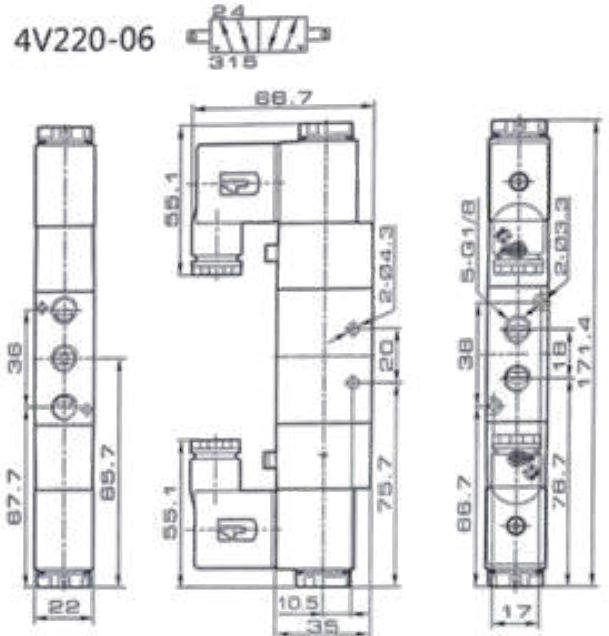
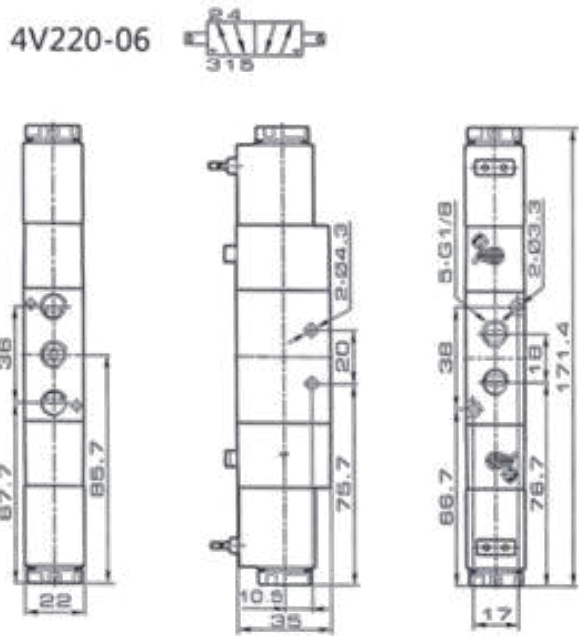
型号: 4V210-08



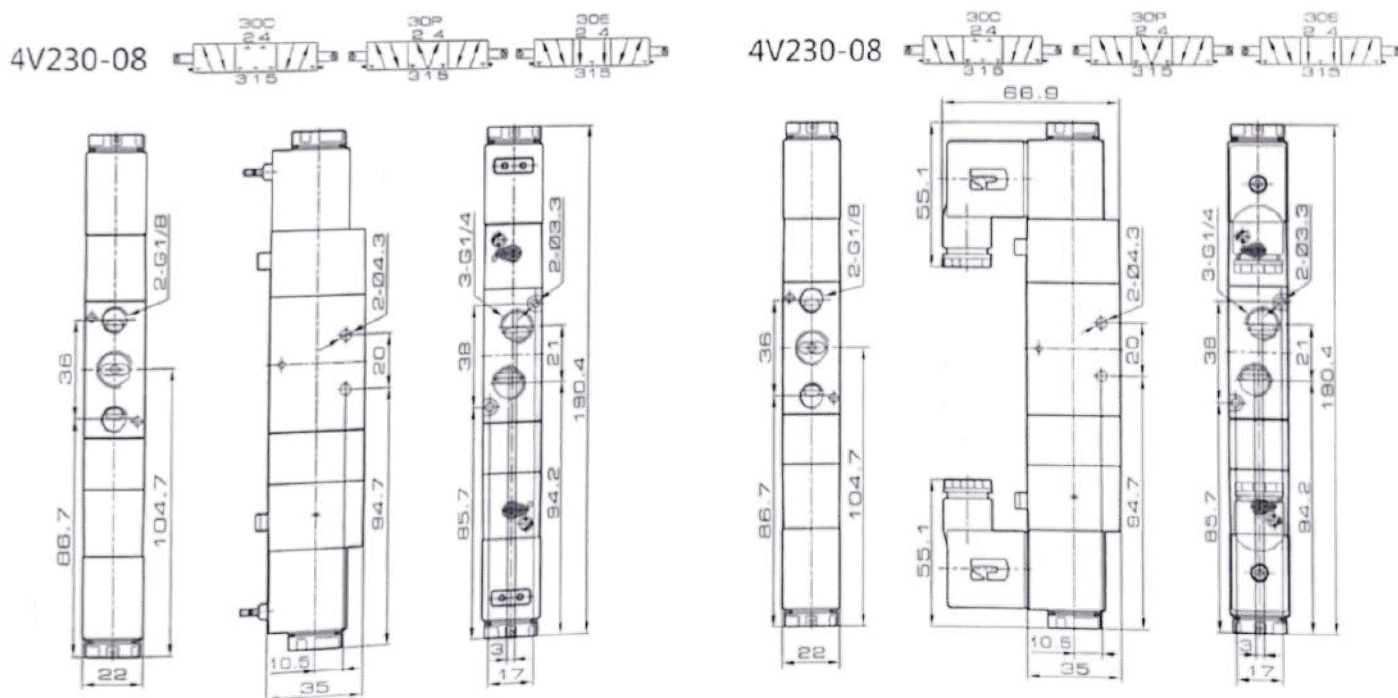
**SOLENOID VALVE — 42000 SERIES**



**SOLENOID VALVE – 42000 SERIES**



**SOLENOID VALVE — 42000 SERIES**



**Managed Models**

Model

<b>4V210-06</b>	ELECTROVÁLVULA 5/2 SIMPLE SOLENOIDE 1/8"
<b>4V220-06</b>	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE 1/8"
<b>4V230C-06</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO CERRADO 1/8"
<b>4V230E-06</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO ESCAPE 1/8"
<b>4V210-08</b>	ELECTROVÁLVULA 5/2 SIMPLE SOLENOIDE 1/4"
<b>4V220-08</b>	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE 1/4"
<b>4V230C-08</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO CERRADO 1/4"
<b>4V230E-08</b>	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO ESCAPE 1/4"
<b>4A210-06</b>	VÁLVULA 5/2 SIMPLE PILOTAJE 1/8"
<b>4A220-06</b>	VÁLVULA 5/2 DOBLE PILOTAJE 1/8"



**MODELO - 4V300 Series**



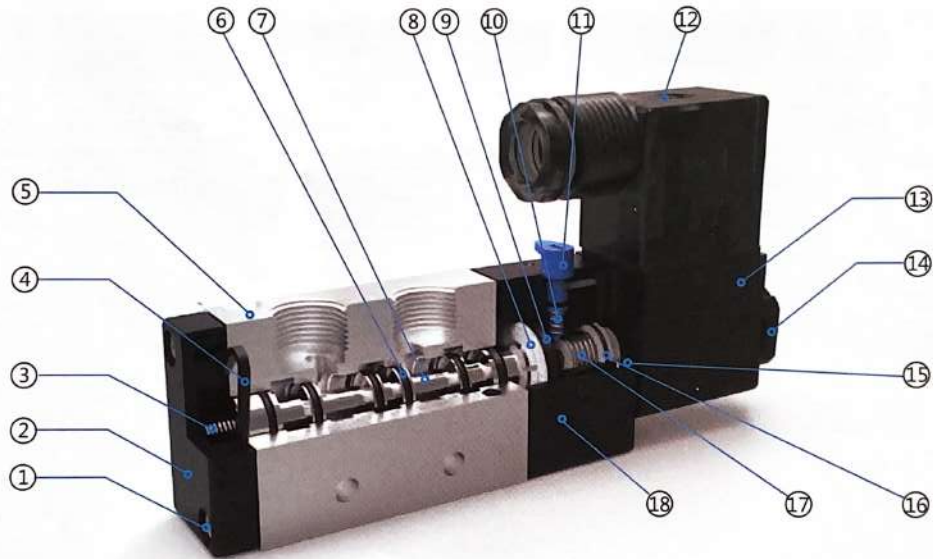
**订购码 Ordering Code**

4V	3	10	10	B	AC220V	W	F
<b>规格代码</b> Specification	<b>系列代码</b> Series Code	<b>线圈及位数</b> Coil and Type	<b>接管口径</b> Port Size	<b>接管形式及初始状态</b> Connection and Initial status	<b>标准电压</b> Standard Voltage	<b>接线形式</b> Wiring	<b>联座数</b> Joint
4V:二(三)位五通电磁阀 4A:二(三)位五通气控阀 3V:二位三通电磁阀 3A:二位三通气控阀 4V: 5/2 (3) way solenoid valve 4A: 5/2 (3) way air pilot valve 3V: 3/2 way solenoid valve 3A: 3/2 way air pilot valve	300系列 300 Series	10.单头双位置 20.双头双位置 30C:双头三位置封闭型 30E:双头三位置排气型 30P:双头三位置压力型 10: Single coil 20: Double coil 30C: Mid-position closed 30E: Mid-position exhausted 30P: Mid-position pressed	08: 1/4" 10: 3/8"	空白管接式 B:二位五通板接式 三位五通板接式 NC:二位三通常闭型 NO:二位三通常开型 Blank: Threaded B: Sub-plated mounted (for 5/2, 5/3 way only) NC: 3/2 way normal close NO: 3/2 way normal open	DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz	空白茶色带灯端子式 W:引线式 Blank: Without light terminal LDI: White with light terminal W: Lead wire	1F-20F

Model	4V310-08	4V320-08	4V330C-08	4V330E-08	4V330P-08	4V310-10	4V320-10	4V330C-10	4V330E-10	4V330P-10
	4A310-08	4A320-08	4A330C-08	4A330E-08	4A330P-08	4A310-10	4A320-10	4A330C-10	4A330E-10	4A330P-10
Valve Type	5/2 Way			5/3 Way		5/2 Way		5/3 Way		
Effective Cross Section Area	25 mm <sup>2</sup> (CV = 1.4)			18 mm <sup>2</sup> (CV = 1.00)		30 mm <sup>2</sup> (CV = 1.68)		18 mm <sup>2</sup> (CV = 1.00)		
Model	3V310-08	3V320-08	3A310-08	3A320-08	3V310-10	J3V320-10	3A310-10	3A320-10		
Valve Type	3/2 Way									
Effective Cross Section Area	25 mm <sup>2</sup> (CV = 1.4)					30 mm <sup>2</sup> (CV = 1.68)				
Port Size	Inlet, Outlet, Exhaust Port = G 1/4"					Inlet, Outlet = G 3/8", Exhaust Port = G 1/4"				
Working Medium	40 μm Filtered Air									
Operation	Internal piloted									
Working—pressure	0.15 ~ 0.8 MPa									
Max. Test Temperature	1.2 MPa									
Ambient Temperature	-20 ~ 70 °C									
Operating Voltage Tolerance	± 10 %									
Power Consumption	AC: 3.5 VA DC: 3.0 W									
Connector Protection	IP65/F Class, IP 65									
Wiring Connector	Cable / Lead Wire or DIN Connector									
Switching Frequency	5 Cycles / Sec.									
Response Time	0.05 Sec.									

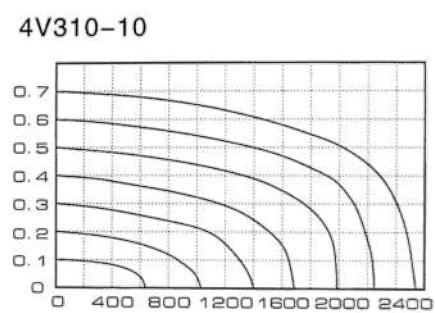
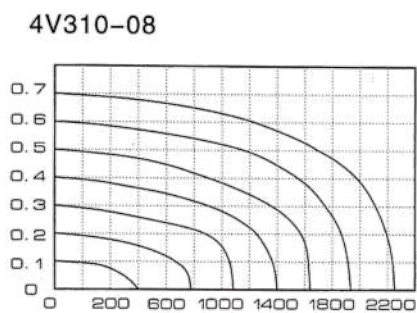
**SOLENOID VALVE – 43000 SERIES**

Internal Structure

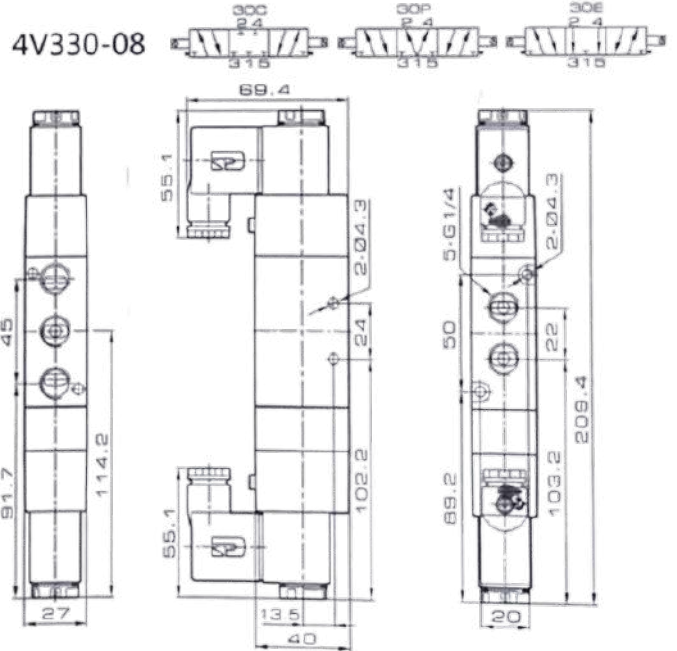
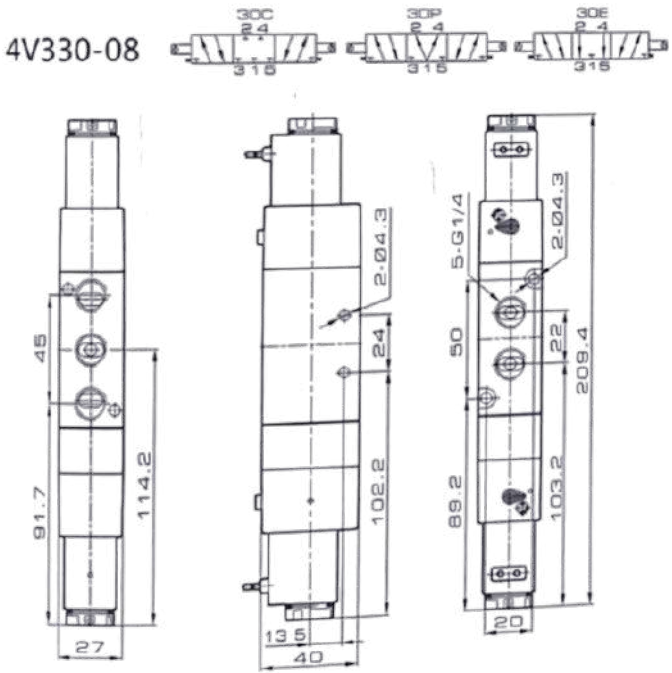
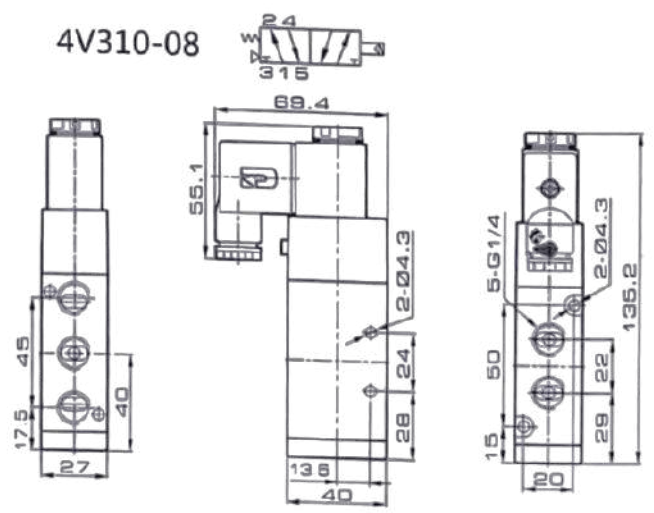
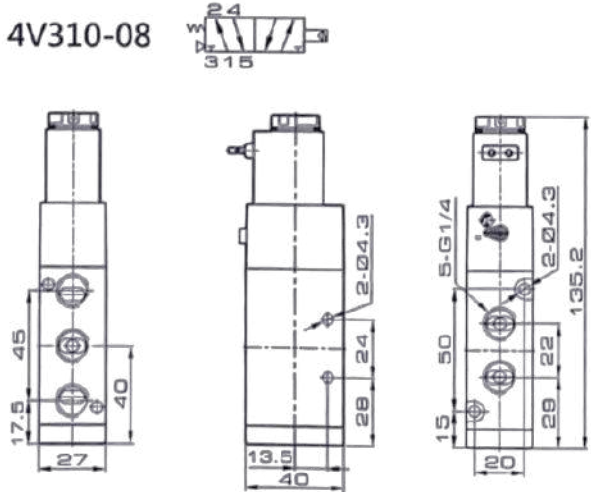


Number	Name	Number	Name	Number	Name
1	Cross slot pan screw	7	Valve Spool	13	Coil
2	Back cover	8	Piston	14	Coil nut
3	Spring	9	Y ring	15	Connecting part
4	Anomalous seal	10	Spring	16	O ring
5	Valve body	11	Manual ride spindle	17	Plunger
6	Flat ring	12	Terminal	18	Piloted valve base

Flow Chart

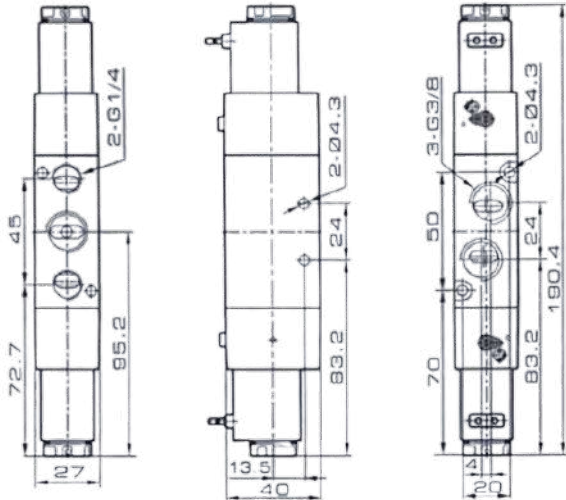


**SOLENOID VALVE — 43000 SERIES**

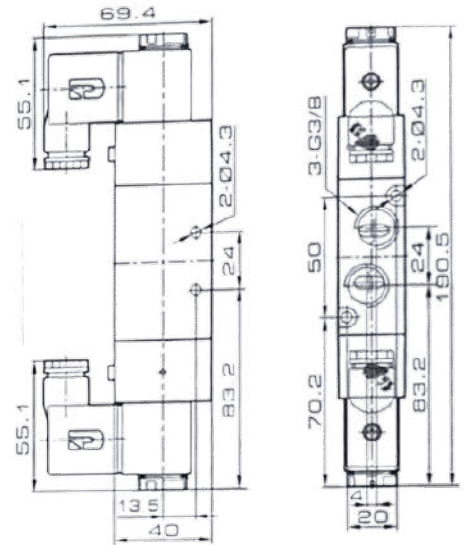
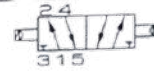


**SOLENOID VALVE – 43000 SERIES**

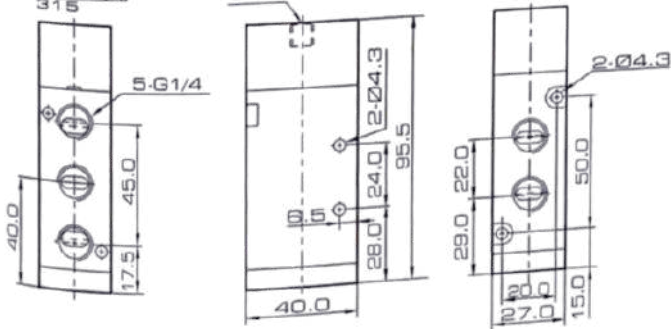
4V320-10



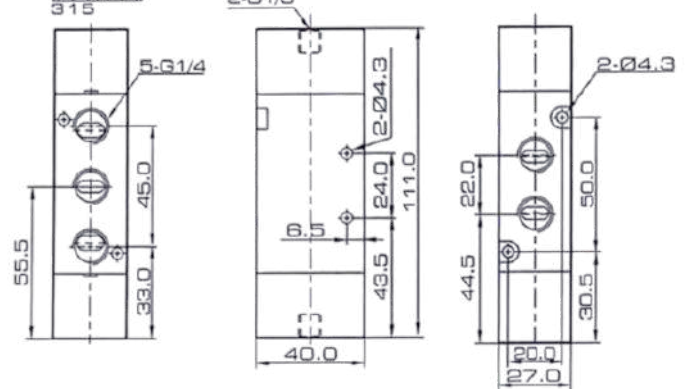
4V320-10



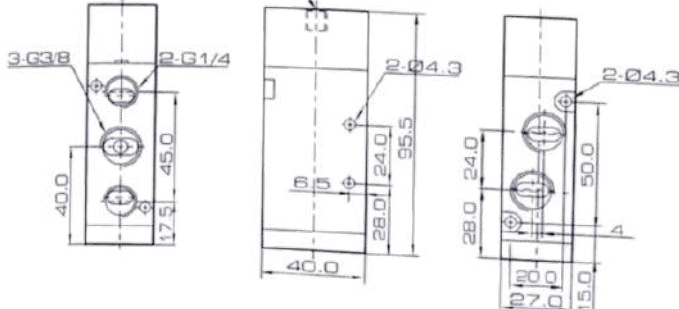
4A310-08



4A320-08



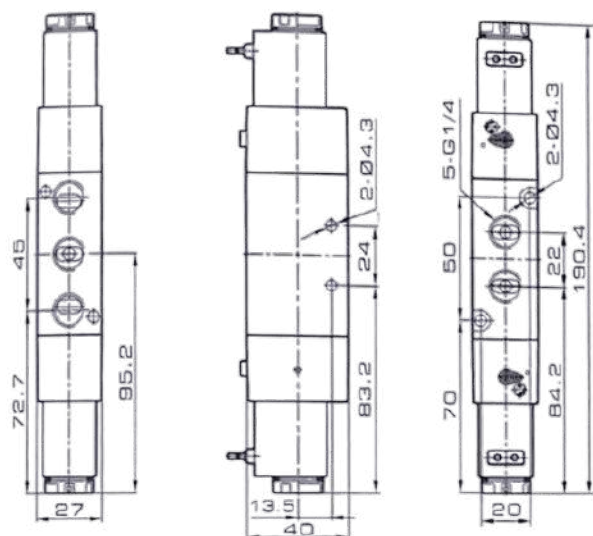
4A310-10



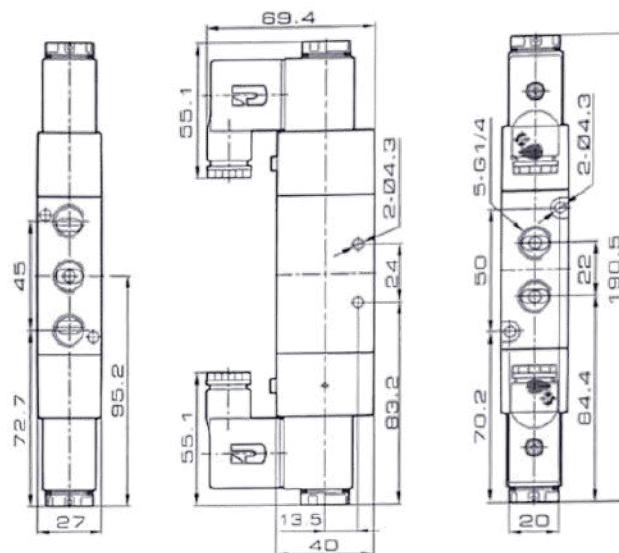


**SOLENOID VALVE – 43000 SERIES**

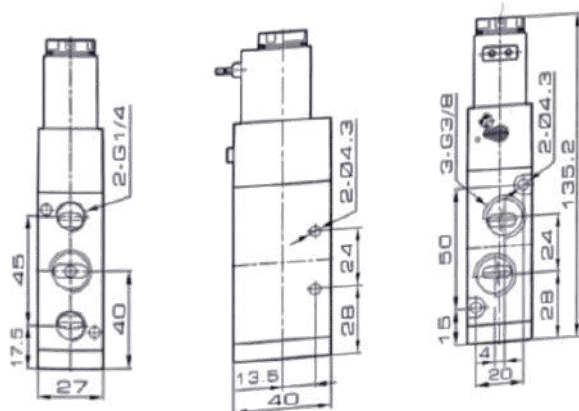
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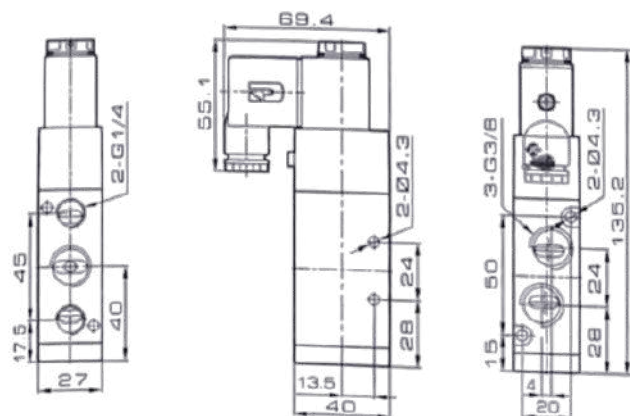
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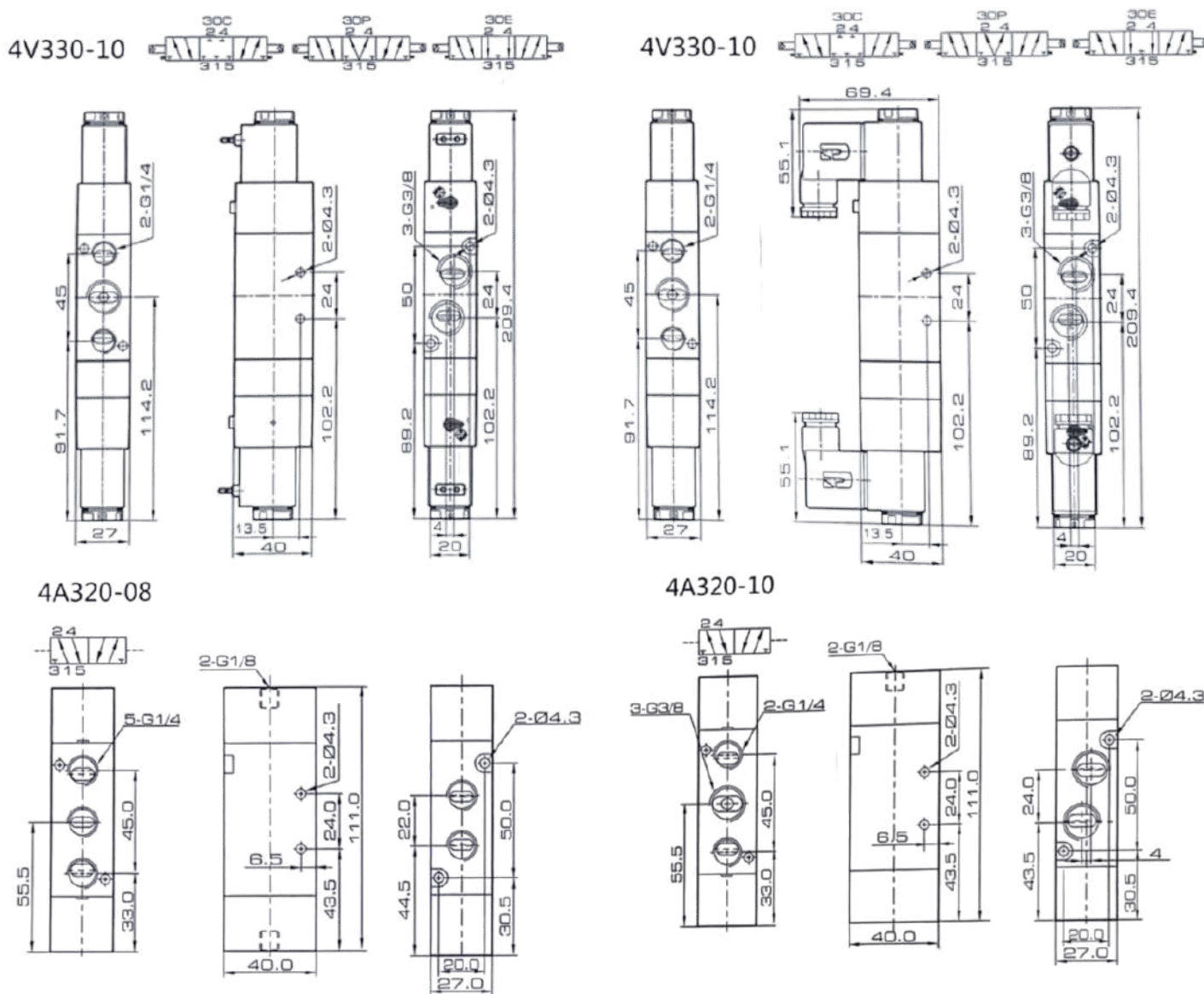
4V310-10 



4V310-10 



**SOLENOID VALVE – 43000 SERIES**



**Managed Models**

Model

4V310-08	ELECTROVÁLVULA 5/2 SIMPLE SOLENOIDE 1/4"
4V320-08	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE 1/4"
4V330C-08	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO CERRADO 1/4"
4V330E-08	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO ESCAPE 1/4"
4V310-10	ELECTROVÁLVULA 5/2 SIMPLE SOLENOIDE 3/8"
4V320-10	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE 3/8"
4V330C-10	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO CERRADO 3/8"
4V330E-10	ELECTROVÁLVULA 5/3 DOBLE SOLENOIDE CENTRO ESCAPE 3/8"
4A310-08	VÁLVULA 5/2 SIMPLE PILOTAJE 1/4"
4A310-10	VÁLVULA 5/2 SIMPLE PILOTAJE 3/8"
4A320-08	VÁLVULA 5/2 DOBLE PILOTAJE 1/4"
4A320-10	VÁLVULA 5/2 DOBLE PILOTAJE 3/8"

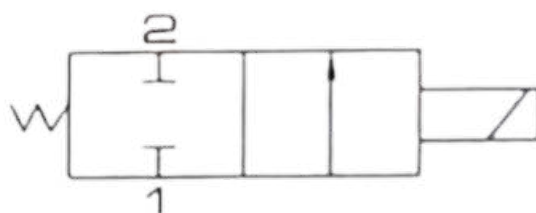
**SOLENOID VALVE – 2V025**



2V	025	06	AC110V	V	J
规格代码 Specification	流量孔径 Series Code	接管口径 Port Size	标准电压 Standard Voltage	油封代号 Initial status	接线形式 Wiring
2V:二位二通电磁阀 V: 2/2 way	010: 1.0mm 025: 2.5mm 130: 13mm 250: 25mm	M4:M4×0.7 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" 20: 3/4" 25: 1" "	DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	空白: NBR V: VITON(高温用) Blank:NBR V: Viton (for high temperature gas)	J: 接线盒 W: 引线式 J:Wiring box W: Lead wire

Specifications							
Model	2V010—M4	2V025—06	2V025—08	2V130—10	2V130—15	2V250—20	2V250—25
Working Medium	Air, Water, Oil						
Operatio	Direct			Pilot			
Type	Normal Close						
Flow Aperture	1.0 mm	2.5 mm		13 mm		25 mm	
CV Value	0.04	0.23		6.2		23	
Port Size	M4 x 0.7	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Operation Fluid Viscosity	Below 20 CST						
Working-Pressure	0.05 ~ 0.07 Mpa / Air, Water, Oil: 0.05 ~ 0.7 Mpa						
Max. Test Pressure	1.2 Mpa	1.6 Mpa		1.0 Mpa			
Max. Ambient Temperature	-10 ~ 80 °C						
Operating Voltage Tolerance	± 10 %						
Protect Class	IP65						
Power Consumption	AC: 6.5 VA DC: 6.5 W						
Insulation	F Class						
Material of Body	Aluminum or Brass (Nickel Plated)				Brass		
Material of Oil Seal	NBR VITON / NBR Or VITON				NBR VITON / NBR Or VITON		
Response Time	0.05 / 0.05 Sec.						

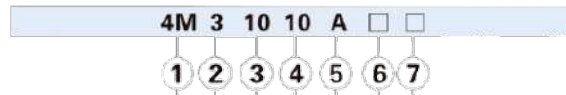
**SYMBOL**



Managed Models

<b>2V025-06</b>	ELECTROVÁLVULA 2/2 - 1/8"
<b>2V025-08</b>	ELECTROVÁLVULA 2/2 - 1/4"

Ordering Code



Model	Code	Valve type	Port size	Voltage	Electrical entry	Thread type
4M: Solenoid valve (5/2 way NAMUR type)	1: 100 Series	10: Single solenoid 20: Double solenoid	M5: M5	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	No this code
	2: 200 Series		06: 1/8"			Blank: PT G: G T: NPT
	3: 300 Series		06: 1/8" 08: 1/4" 08: 1/4" 10: 3/8"			

Specifications						
Model	4M110—M5 4M120—M5	4M110—06 4M120—06	4M210—06 4M220—06	4M210—08 4M220—08	4M310—08 4M320—08	4M310—10 4M320—10
Fluid	Air (to be filtered by 40 µm filter element)					
Acting	Internal pilot					
Port size [Note 1]	In = Out = M5	In = Out =1/8"	In = Out =1/8"	In = 1/4" Out = 1/8"	In = Out =1/4"	In = 3/8" Out = 1/4"
Orifice size	5.5 mm <sup>2</sup> (Cv = 0.31)	12.0 mm <sup>2</sup> (Cv = 0.67)	14.0 mm <sup>2</sup> (Cv = 0.78)	16.0 mm <sup>2</sup> (Cv = 0.89)	25.0 mm <sup>2</sup> (Cv = 1.40)	30.0 mm <sup>2</sup> (Cv = 1.68)
Valve type	5 port 2 position					
Operating pressure	0.15 ~ 0.8 MPa (21 ~ 114 psi)					
Proof pressure	1.2 MPa (175 psi)					
Temperature	-20 ~ 70 °C					
Material body	Aluminium alloy					
Lubrication [Note 2]	Not required					
Max. Frequency [Note 3]	5 cycle/sec				4 cycle/sec	
Weight (g)	4M110: 120	4M120: 175	4M210: 220	4M220: 320	4M310: 310	4M320: 400

[Note 1] PT thread, G thread and NPT thread are available.

[Note 2] Once lubricated air is used, continue with same medium to optimise valve life span. It is suggested to use ISO VG32 lubricant or the oil with the same grade.

[Note 3] The maximum actuation frequency is in the no-load state.



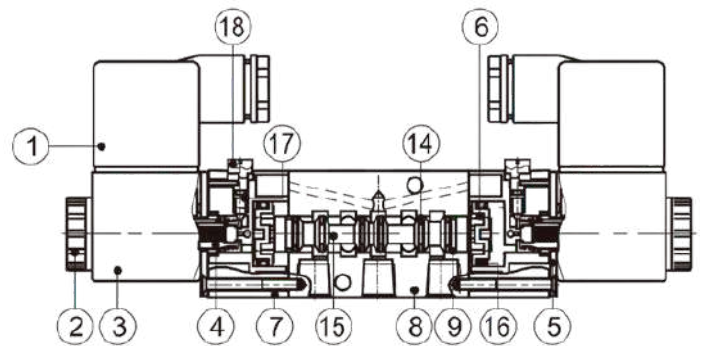
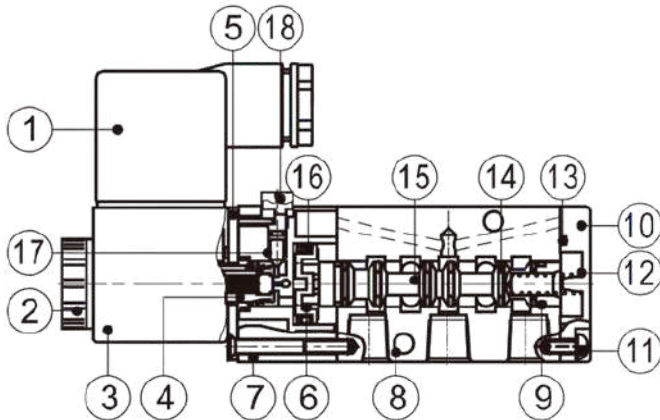
Coil specifications		4M110 4M120					4M210 4M220 4M310 4M320				
Item		AC220V	AC110V	AC24V	DC24V	DC12V	AC220V	AC110V	AC24V	DC24V	DC12V
Standard voltage											
Scope of voltage		AC: ±15 %					DC: ± 10 %				
Power consumption		3.5 VA	3.5 VA	4.0 VA	2.5 W	2.5 W	4.5 VA	4.5 VA	5.0 VA	3.0 W	3.0 W
Protection		IP65 (DIN40050)									
Temperature classification		B Class									
Electrical entry		Terminal, Grommet									
Activating time		0.05 sec and below									

**SYMBOL**



**Inner structure Single solenoid**

**Inner structure Double solenoid**

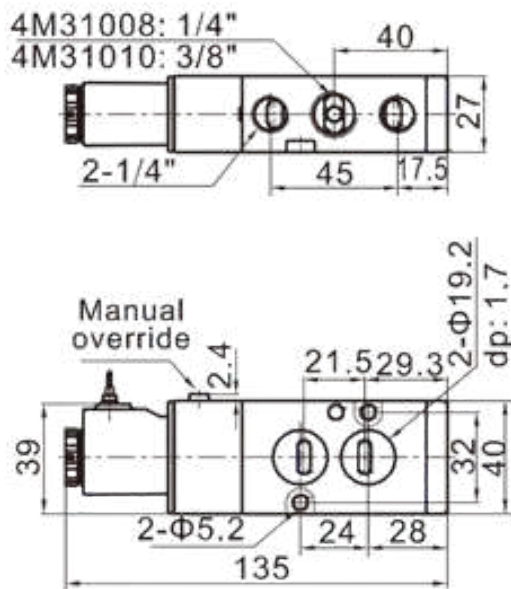
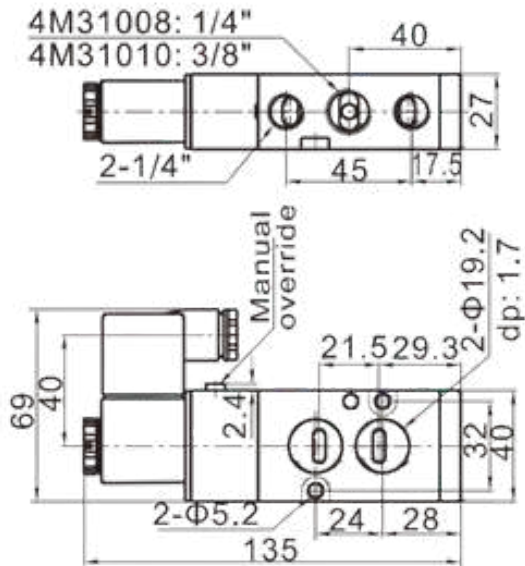


No.	Item	No.	Item
1	Connector	12	Bottom cover
2	Coil net	13	Fixed screw
3	Coil	14	Spool spring
4	Armature	15	Bottom cover gasket
5	Fixed plate	16	Spool O-ring
6	Piston	17	Spool
7	Pilot kit	18	Piston O-ring
8	Body	19	Override spring
9	Wear ring	20	Manual override

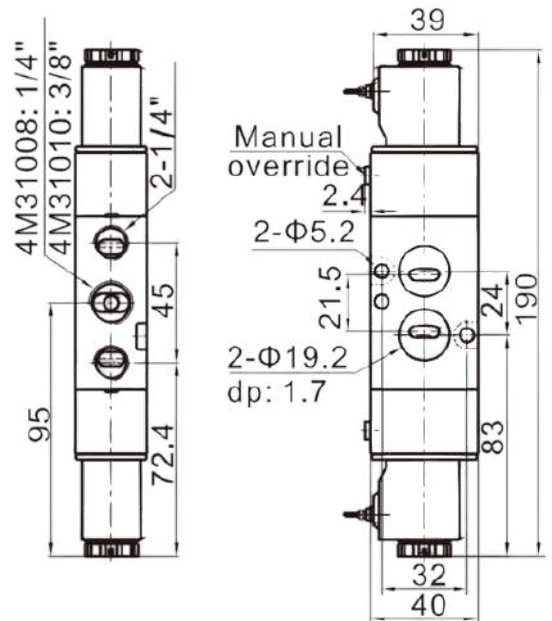
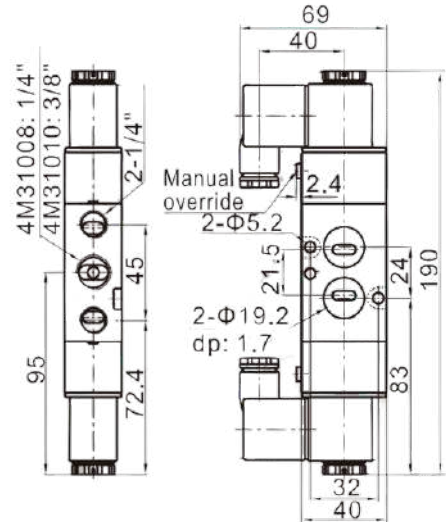
Dimensions

Flow Chart

Note: Please refer to the same types of 4V series solenoid valves.



4M320(Terminal)



Managed Models

<b>4M310-08</b>	ELECTROVÁLVULA SIMPLE SOLENOIDE 5/2 CON PLACA - 1/4"
<b>4M320-08</b>	ELECTROVÁLVULA 5/2 DOBLE SOLENOIDE CON PLACA - 1/4"

**SOLENOID VALVE – 3V1**

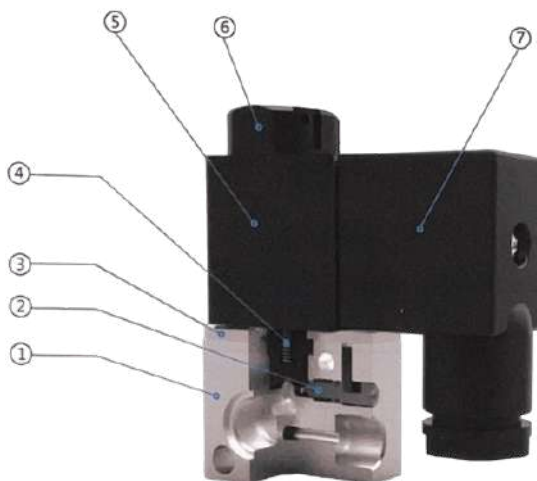


3V	1	06	B	NC	AC220V	W	F
规格代码 Specification	系列代码 Series Code	接管口径 Port Size	接管形式 Connecting Type	初始状态 Initial status	标准电压 Standard Voltage	接线形式 Wiring	联座数 Joint
3V:二位三通电磁阀 3V: 3/2 way	1:100系列 1:100 Series	M5:M5 06:1/8"	空白:管接式 B:板接式 A:压铸体 Blank: Pipe type B: Plate type A: Diecast body	NC:常闭型 NO:常开型 NC: Normal close NO: Normal open	DC12V DC24V AC24V AC110V AC220V	空白:茶色带灯端子式 W:引线式 Blank: Without light terminal LDI: White with light terminal W: Lead wire	1F~20F

Specifications			
Model	3V1—M5	3V1—06 ( B/A ) — NC	3V1—06 ( B/A ) — NO
Working Medium	40 μm Filtered Air		
Operatio	Direct		
Port Size	M5	1/8" ( G 1/8" ) / 1/8" ( Without or 1/8" )	
Ambient Temperat	-10 ~ +60 °C		
Gas Temperatu	5 ~ 60 °C		
Air Outlet Diame	1.0 mm		
Lubricati	Not Required		
Working—pressu	0 ~ 0.8 Mpa		
Max. Test Pressur	1.2 Mpa		
Power Consumption	AC: 5.5 W	DC: 4.8 W	DC: 6.5 W
Protect Class	IP65		
Wiring / Connector	Cable / Lead Wire or DIN Connector		
Material of Body	Aluminum Alloy		
Switching Frequency	1 Cycles / Sec.		
Insulation	F Class		
Operating Voltage Tolerance	± 10 %		
Response Time	0.05 / 0.05 Sec.		
Flow Aperture	ø 1mm		

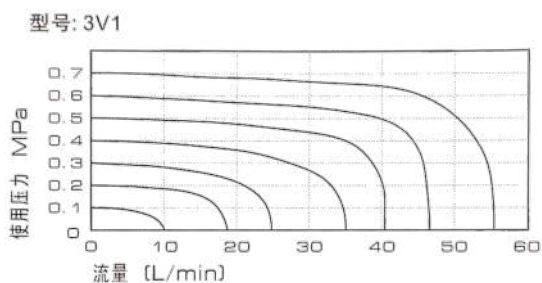


**SOLENOID VALVE – 3V1**



Number	Name	Number	Name
1	Valve body	5	Coil
2	Mannual ride spindle	6	Coil nut
3	Connecting part	7	Terminal
4	Solenoid plunger		

**Flow Chart**



**Managed Model**

<b>3V1-06</b>	<b>ELECTROVÁLVULA 3/2 APILABLE - 1/8"</b>
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**SOLENOID VALVE – 4H**



4H	2	10	-	08	L	-	M
<b>规格代码</b> Specification code	<b>系列代码</b> Series Code	<b>位通数</b> Position and Way Number		<b>接管口径</b> Joint Pipe Bore	<b>形式代号</b> Type code		<b>安装方式</b> Installation method
4H: 二(三)位五通手扳阀 4H: Two(Three) position Five-way Hand control Valve 3H: 二位三通手扳阀 3H: Two-Position Three-Way hand control valve	2: 200系列 2: 200 Series 3: 300系列 3: 300Series 4: 400系列 4: 400Series	10: 单头双位置 10: Single-head Double-position 30: 单头三位置 30: Double-head Three-position		01: G1/8" 08: G1/4" 10: G3/8" 15: G1/2"	空白: 三位五通复位型 Blank: Three-position Five-way Reset Type L: 三位五通锁型 L: Three-position Five-way Locking Type		空白: 通孔螺丝安装 Blank: Through-hole screw installation M: 带螺母隔板安装 M: Nut-plate installation L: Nut-plate installation

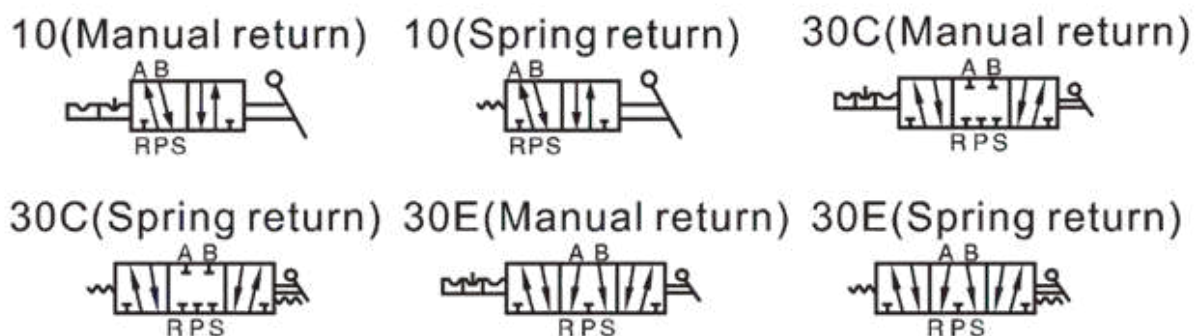
Specifications								
Model	210-06	230-06	210-08	230-08	310-08	330-08	310-10	330-10
Fluid	Air (to be filtered by 40 µm filter element)							
Operating	Manual control direct acting type							
Port size [Note 1]	In = Out = Exhaust = 1/8"		In = Out = 1/4"; Exhaust = 1/8"		In = Out = Exhaust = 1/4"		In = Out = 3/8"; Exhaust = 1/4"	
Orifice size	14.0 mm <sup>2</sup> (Cv = 0.78)	12.0 mm <sup>2</sup> (Cv = 0.67)	16.0 mm <sup>2</sup> (Cv = 0.89)	12.0 mm <sup>2</sup> (Cv = 0.67)	25.0 mm <sup>2</sup> (Cv = 1.39)	18.0 mm <sup>2</sup> (Cv = 1.00)	30.0 mm <sup>2</sup> (Cv = 1.67)	18.0 mm <sup>2</sup> (Cv = 1.00)
Valve type	5/2 way	5/3 way	5/2 way	5/3 way	5/2 way	5/3 way	5/2 way	5/3 way
Lubrication [Note 2]	Not required							
Pressure range	1.0 MPa (0 ~ 145 psi)							
Proof pressure	1.5 MPa (215 psi)							
Temperature	-20 ~ 70 °C							
Material body	Aluminium alloy							
Operating angle	± 15°	± 8.5°	± 15°	± 8.5°	± 18°	± 10°	± 18°	± 10°

[Note 1] PT thread, G thread and NPT thread are available.

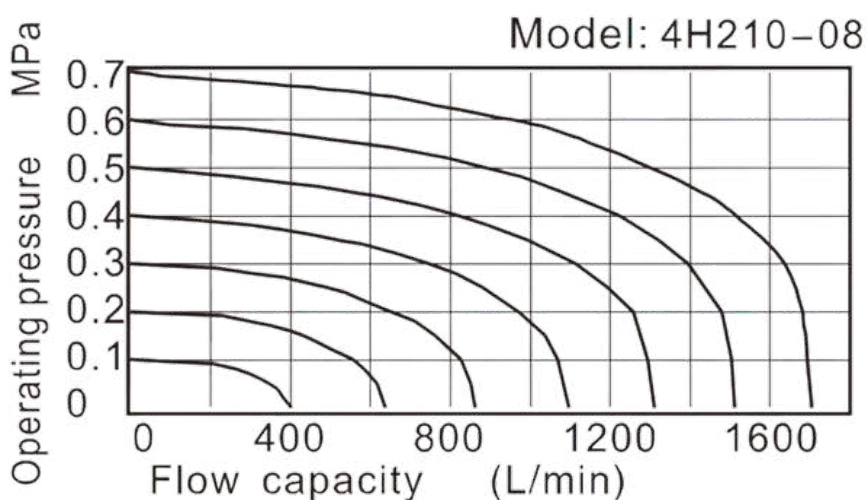
[Note 2] Once lubricated air is used, continue with same medium to optimise valve life span. It is suggested to use ISO VG32 lubricant or the oil with the same grade.

**SOLENOID VALVE – 4H**

**SYMBOL**



**Flow Chart**



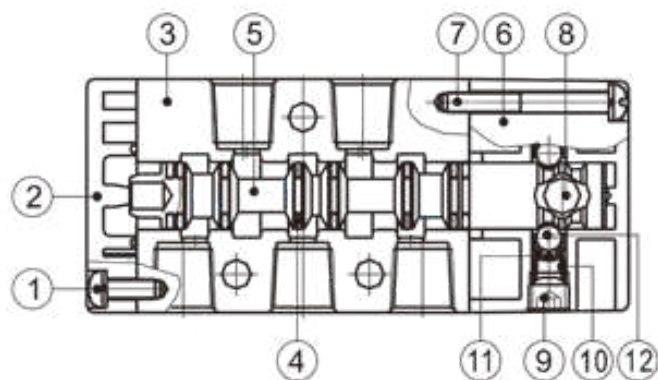
**Product feature.**

1. Manual operation, smooth actuation, and exact and reliable orientation.
2. Sliding column structure has good tightness and light weight and is easy to install and dismount.
3. Internal hole adopts special processing technology which has little attrition friction, long service life.
4. No need to add oil for lubrication.
5. Panel-mounting makes it convenient to install and apply.

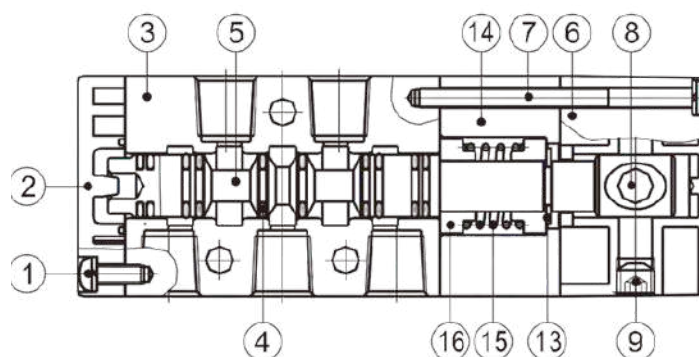
**SOLENOID VALVE – 4H**

Inner structure

4H210



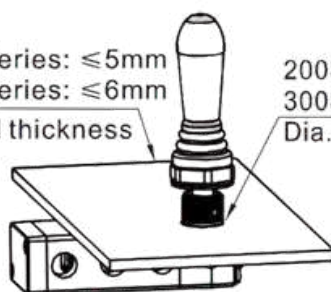
4HA230C



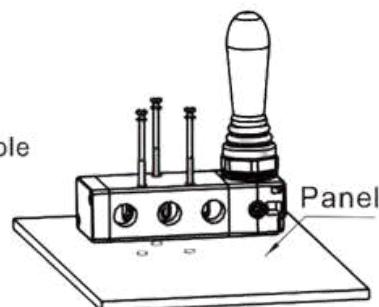
No.	Item	No.	Item
1	Round head screw	9	Stop screw
2	Bottom cover	10	Spring
3	Body	11	Steel ball jacket
4	O-ring	12	Steel ball
5	Spool	13	E clip
6	Top cover	14	Side cover
7	Round head cover	15	Spring
8	Axle	16	Spring holder

200 Series:  $\leq 5\text{mm}$   
300 Series:  $\leq 6\text{mm}$   
Panel thickness

200 Series:  $\Phi 16$   
300 Series:  $\Phi 20$   
Dia. of Installation hole



Panel Installation



Body Installation

**Installation.**

1. 5/3 way manual return hand lever valve is positioned by steel ball, which is convenient to switch. Please apply the proper force to avoid the position mismatch and misoperation.

2. When installed by panel, disassemble the gasket according to the practical requirement.

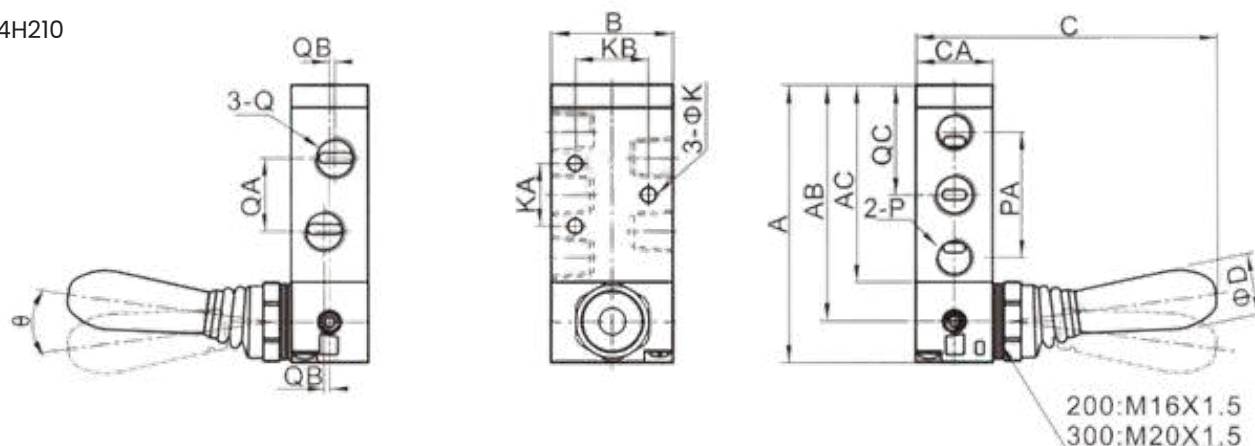
3. Below is the installation method for reference.

Note: Please give your attention on the panel thickness and hole dimension when installed by panel.

## SOLENOID VALVE – 4H

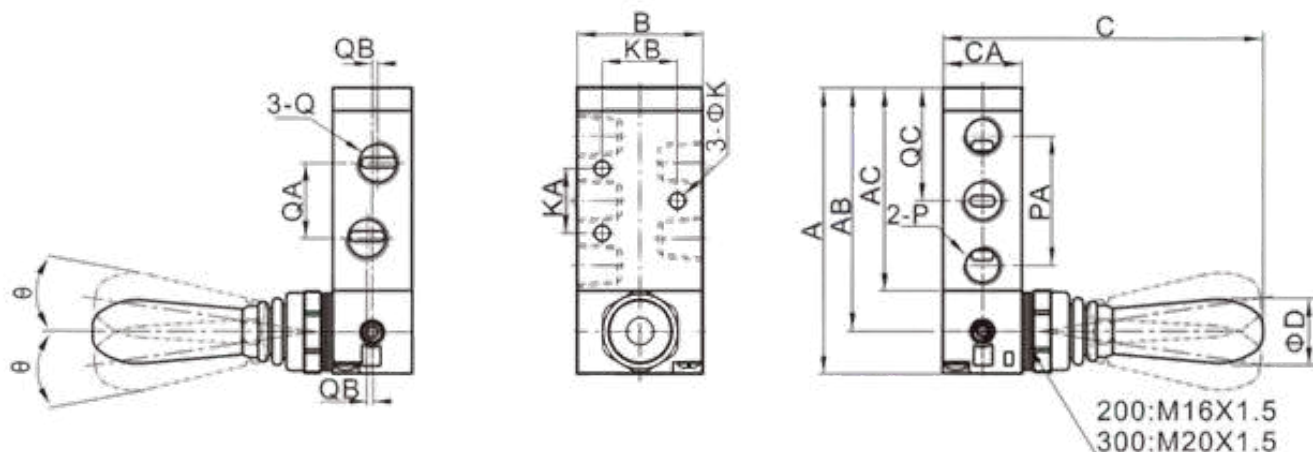
### Dimensions

4H210



Model \ Item	A	AB	AC	B	C	CA	D	K	KA	KB	P	PA	Q	QA	QB	QC	O
4H210-08	81.5	69.5	57.5	35	90	22	18	4.3	20	23.5	1/8"	36	1/4"	21	1.5	32.5	15

4H230



Model \ Item	A	AB	AC	B	C	CA	D	K	KA	KB	P	PA	Q	QA	QB	QC	O
4H230-08	81.5	69.5	57.5	35	90.5	22	18	4.3	20	23.5	1/8"	36	1/4"	21	1.5	32.5	8.5

### Managed Models

<b>4H210-08</b>	VÁLVULA PALANCA 5/2 DOS POSICIONES 1/4"
<b>4H230-08</b>	VÁLVULA PALANCA 5/2 TRES POSICIONES 1/4"

**ACCESORIES**
**4V**


4V210-spool	BARRA PARA 4V210
4V310-spool	BARRA PARA 4V310
4V410-spool	BARRA PARA 4V410

**TORNILLOS Y EMPAQUES**


TORNILLOS Y EMPAQUES 1/8"

**BOBINA Y CONECTOR**


210C	BOBINA Y CONECTOR PARA VÁLVULAS 4V/3V
BOBINA	BOBINA SIN CONECTOR PARA VÁLVULAS 4V/3V
CONNECTOR	CONECTOR PARA BOBINA 210C

**CONECTOR DIN**


CONECTOR DIN

**BASE MANIFOULD**


3V210F-4	Base manifold 4 Bloques
3V310F-4	
3V410F-4	
110F-4	
210F-4	
310F-4	
410F-4	



**ACCESORIES**

**BASE MANIFOULD**



3V210F-6	Base manifold 6 Bloques
3V310F-6	
3V410F-6	
110F-6	
210F-6	
310F-6	
410F-6	

**BASE MANIFOULD**



110F-8	Base manifold 8 Bloques
210F-8	
310F-8	
410F-8	

**TAPA CIEGA MANIFOULD**



3V200 Tapa	Tapa ciega manifold
3V300 Tapa	Tapa ciega manifold
3V400 Tapa	Tapa ciega manifold
100 Tapa	Tapa ciega manifold
200 Tapa	Tapa ciega manifold
300 Tapa	Tapa ciega manifold
400 Tapa	Tapa ciega manifold

**BOBINA A PRUEBA DE EXPLOSIÓN**

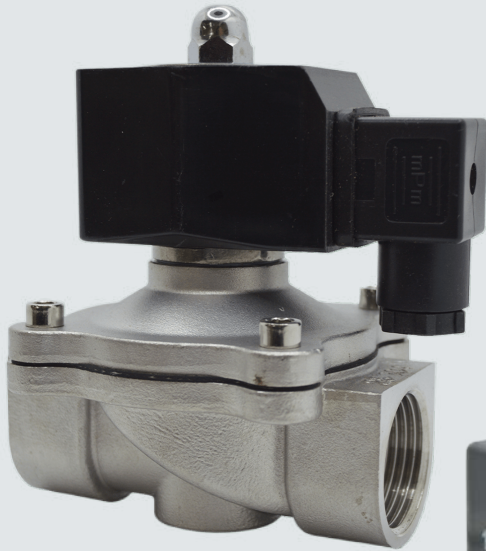
COIL EXP 12VDC	BOBINA A PRUEBA DE EXPLOSIÓN 12 VDC
COIL EXP 24VDC	BOBINA A PRUEBA DE EXPLOSIÓN 24 VDC



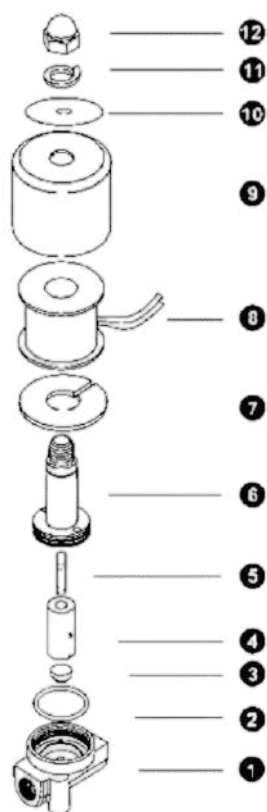
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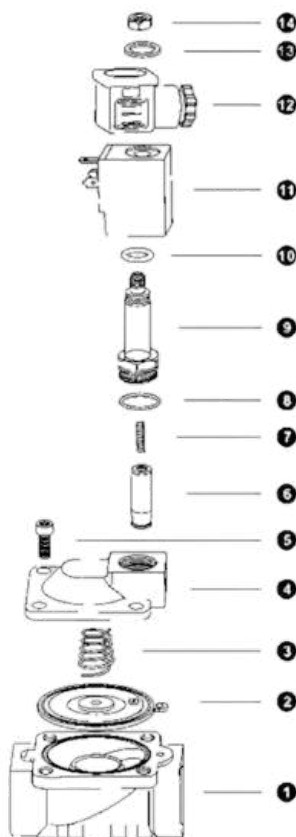
## VALVES 2-2



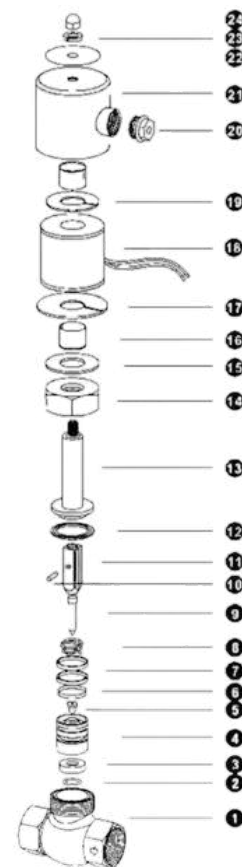


**VALVES 2-2 – MODEL 2W**


No.	Name
1	Valve Body
2	O-ring
3	Plug head
4	Armature
5	Spring
6	Iron Core
7	Magnetic Plate
8	Coil
9	Steel Washer
10	Min Plate
11	Spring Washer
12	Nut



No.	Name
1	Valve Body
2	Diaphragm
3	Diaphragm Spring
4	Valve Cover
5	Hexagon Screw
6	Pilot Units
7	Plunger Spring
8	O-ring
9	Iron Core
10	O-ring
11	Coil
12	Connector
13	Gasket
14	Lock Nut



No.	Name	No.	Name
1	Valve Body	13	Iron Core
2	Washer	14	Nut
3	Seal Pad	15	Gasket
4	Valve Core	16	Bushing
5	Seal	17	Magnetic Plate
6	Gasket	18	Coil
7	Guide Ring	19	Magnetic Plate
8	Spring	20	Nut
9	Valve Needle	21	Steel Cover
10	Pin	22	Min Plate
11	Armature	23	Spring Washer
12	Seal Ring	24	Nut

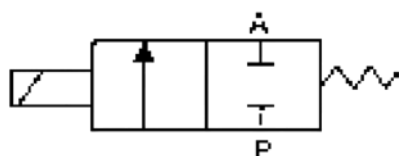
**VALVES 2-2 – MODEL 2W**

Valve body, Sealing material Reference Table

✓ Good    X Not Good    Blank: Unknown

Material	Brass	Castiron	SUS	Plastic	NBR	EPDM	VITON	PTFE
Air	✓	✓	✓	✓	✓	✓	✓	✓
Gas	✓	✓	✓		✓	✓	✓	✓
Oxygen	✓	✓	✓	✓	✓	✓	✓	✓
Hydrogen	✓		✓		✓		✓	✓
City Gas	✓		✓				✓	✓
Industrial gas	✓		✓		✓			✓
Nirtrogen	✓		✓				✓	✓
Refined pctro	✓	✓	✓				✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓
Steam	✓	✓	✓		X	✓	✓	✓
Drinking water	✓	✓	✓	✓		✓		✓
Sea water	✓		✓	✓	✓	✓	✓	✓
Industrial waste water			✓				✓	✓
Gasoline	✓	✓	✓			X	✓	✓
Kerosene	✓	✓	✓	✓	✓	X	✓	✓
Fuel	✓	✓	✓	✓	✓	X	✓	✓
Milk	✓	✓	✓	✓	✓	✓	✓	✓
Wine	✓	✓	✓	✓	✓	✓	✓	✓
Ethanol	✓	✓	✓		✓	X		✓
Acetylene	✓	✓	✓		✓	X	✓	✓
Ethanol	✓	✓	✓		✓	X	✓	✓
Acetone	✓	✓	✓		✓	X	X	✓
Ammonia					X			✓
Toluene	✓	✓	✓			X	✓	✓
Xylene	✓	✓	✓			X	✓	✓
Propane	✓	✓	✓			X	✓	✓
Methane	✓	✓	✓		✓	X	✓	✓
Garbon dioxide	✓	✓	✓				✓	✓
20% Soeium hydroxide		✓	✓		✓	X		✓
<10% Nitricacid			✓				✓	✓
20% Sulphuricacid							✓	✓
10% Hydrochloricacid								✓
Acetic acid	✓	✓	✓		✓	X	✓	✓

**SYMBOL**



**VALVES 2-2 – MODEL 2W**



**ORDERING CODE**

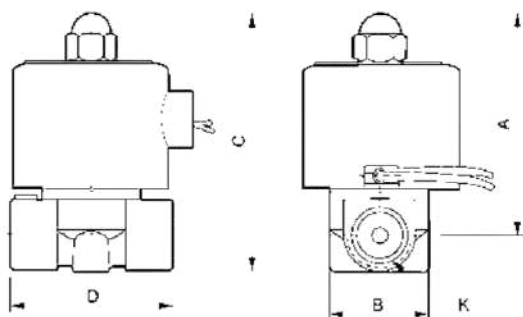
	2W	025	-	08	F	AC110V	-	D
<b>Specification Code</b>								
2W: Two position two way solenoid valve(direct drive type)								
2WH: Two position two way solenoid valve(high pressure direct drive type)								
<b>Aperture of Flow Rate</b>								
012 : 1.2mm    020 : 2mm								
025 : 2.5mm    030 : 3.0mm								
040 : 4.0mm								
<b>Joint Pipe Bore</b>								
06: 1/8"    08: 1/4"								
10: 3/8"								
<b>Initial Estate</b>								
Blank: Pipe Joint type								
F: Flange Type								
<b>Standard Voltage</b>								
DC12V								
DC24V								
AC24V 50/60Hz								
AC36V 50/60Hz								
AC110V 50/60Hz								
AC220V 50/60Hz								
AC380V 50/60Hz								
<b>Wiring Form</b>								
Blank: Lead Wire Type								
D : Join Connector								
E : Blast-proof Coil								
G : Water-proof Coil								

**SPECIFICATION**

Model	2W025-06(08)	2W040-10	2WH012-06	2WH012-08	2WH020-10
Working Medium	Air, Water, Oil, Gas				
Motion Pattern	Direct Drive Type				
Type	Normal Close Type				
Aperture of Flow Rate	2.5	4	1.2	2	
CV Value	0.23	0.6	0.05	0.15	
Joint Pipe Bore	1/8"(1/4")	3/8"	1/8"	1/4"	3/8"
Operation Fluid Viscosity	20 CST (below)				
Working-pressure	0 ~ 7	0 ~ 10	0 ~ 20		
Max. Pressure Resistance	10	15	35		
Operating Temperature Range	-5 ~ 80				
Voltage Range	± 10%				
Material of Body	Brass				
Material of Oil Seal	NBR, EPDM VITON				

**VALVES 2-2 – MODEL 2W**

**Overall Dimension**



Model	A	B	C	D	K (G)
2W025-06/08	66	30.3	75	42	1/8" 1/4"
2W040-10	76	32.5	87	53	3/8"
2WH012-06	66	30.3	75	42	1/8"
2WH012-08	66	30.3	75	42	1/4"
2WH020-10	76	32.5	87	53	3/8"

**Managed Models**



2W160-10	NBR, 100° - 3/8"
2W160-10T	NBR, 100° - 1/2"
2W160-15	NBR, 100° - 1/2"
2W160-15T	NBR, 100° - 1/2"
2W200-20	NBR, 100° - 3/4'
2W200-20T	NBR, 100° - 3/4'
2W250-25	NBR, 100° - 1"
2W250-25T	NBR, 100° - 1"
2W350-35	NBR, 100° - 1 1/4"
2W400-40	NBR, 100° - 1 1/2"
2W500-50	NBR, 100° - 2"
2W160-15E	EPDM, 180° - 1/2"
2W200-20E	EPDM, 180° - 3/4'
2W250-25E	EPDM, 180° - 1"
2W350-35E	EPDM, 180° - 1 1/4"
2W400-40E	EPDM, 180° - 1 1/2"
2W500-50E	EPDM, 180° - 2"
2W160-10F	VITON, 240° - 3/8"
2W160-15F	VITON, 240° - 1/2"
2W200-20F	VITON, 240° - 3/4'
2W250-25F	VITON, 240° - 1"
2W350-35F	VITON, 240° - 1 1/4"
2W400-40F	VITON, 240° - 1 1/2"
2W500-50F	VITON, 240° - 2"
UW-S-15	NBR, 100° INOXIDABLE 1/2"
UW-S-20	NBR, 100° INOXIDABLE 3/4"
UW-S-25	NBR, 100° INOXIDABLE 1"
UD-08	NBR, 100° - 1/4"

**DIAFRAGMA**

3/8"-10	NBR
3/4"-20	
1"-25	
1 1/4" -35	
1 1/2"-40	
2"-50	
3/8"-10F	VITON
1/2"-15F	
3/4"-20F	
1"-25F	
1 1/4" -35F	
1 1/2"-40F	
2"-50F	
3/8"-10E	EPDM
1/2"-15E	
3/4"-20E	
1"-25E	
1 1/4" -35E	
1 1/2"-40E	
2"-50E	

2W-15 COIL	BOBINA PARA 2W-15-20-25
2W-35 COIL	BOBINA PARA 2W-35-40-50
PU COIL	BOBINA CUADRADA



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## MECHANICAL VALVES

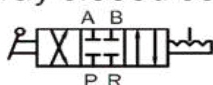


**MECHANICAL VALVES – MODEL HV330**

Symbol



4/3 way closed center



4/3 way closed center type with lock



**SPECIFICATION**

Model	4HV2□□—06 (L)	4HV2□□—08 (L)	4HV3□□—08 (L)	4HV3□□—10 (L)	4HV4□□—15 (L)	4HV4□□—20 (L)
Fluid	Air (to be filtered by 40 μm filter element)					
Operating	Manual control direct acting type					
Port size [Note 1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/4"
Orifice size	14.0 mm <sup>2</sup> (Cv = 0.78)	16.0 mm <sup>2</sup> (Cv = 0.89)	30.0 mm <sup>2</sup> (Cv = 1.67)	33.0 mm <sup>2</sup> (Cv = 1.83)	88.0 mm <sup>2</sup> (Cv = 4.89)	95.0 mm <sup>2</sup> (Cv = 5.27)
Valve type	4/2 Way, 4/3 Way					
Lubrication	Not required					
Pressure range	0 ~ 1.0 MPa (0 ~ 145 psi)					
Proof pressure	1.5 MPa (215 psi)					
Temperature	-20 ~ 70 °C					
Operating angle	90 ° (4/3 Way: 45 °)					

**Product feature.**

1. The direction-change turns lightly with good hand feeling and exact orientation.
2. Large effective circulating area leads to little pressure loss.
3. Panel and body installation are optional. The panel installation can be attached with installing nut.

**ORDERING CODE**

4HV 2 30 06 S L □

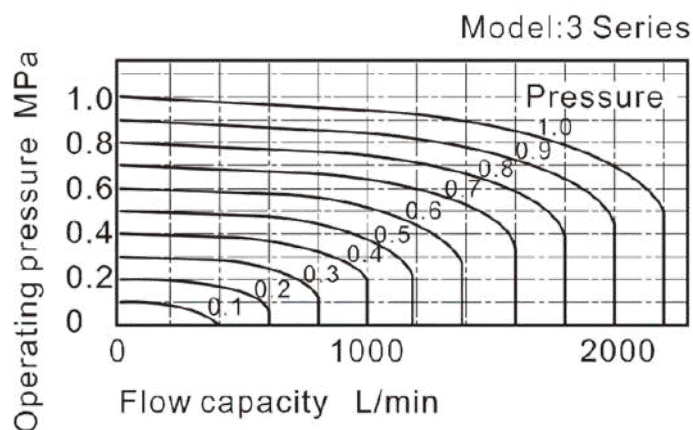
① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Code	③ Valve type	④ Port size	⑤ Installation	⑥ Note	⑦ Thread type
4HV: Hand lever valve	2: 2 Series	10: 4 port 2 position 30: 4 port 3 position [Note1]	06: 1/8" 08: 1/4"	Blank: Body installation S: Panel installation [Note2]	Blank: Without lock L: With lock	Blank: PT G: G T: NPT
	3: 3 Series		08: 1/4" 10: 3/8"			
	4: 4 Series		15: 1/2" 20: 3/4"			

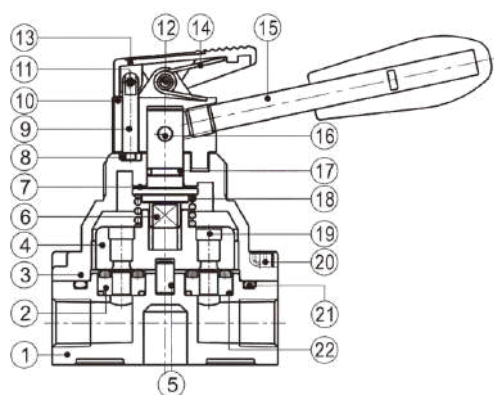
[Note1] 4 port 3 position only has closed center type. [Note2] The panel installation can be attached with installing nut.



Flow Chart



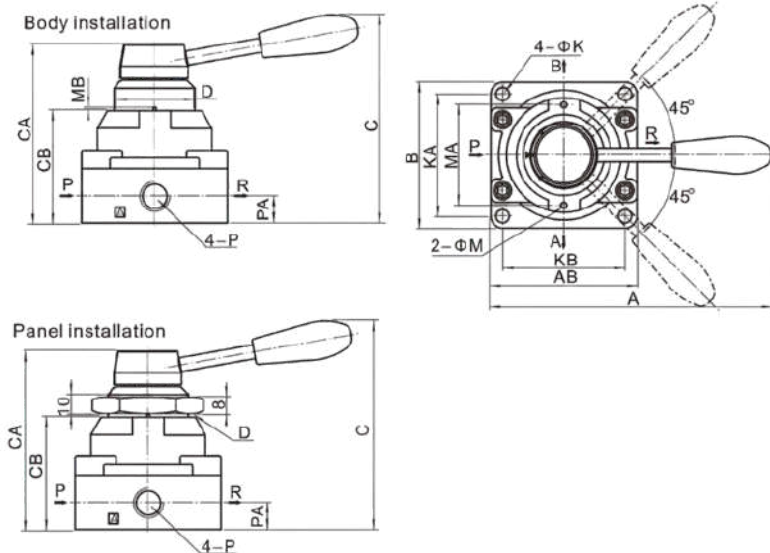
**INNER STRUCTURE**



No.	Name	No.	Name
1	Body	12	Pin one
2	Seal base	13	Front cover
3	Valve cover	14	Spring
4	Valve plug	15	Handle
5	Column pin	16	Pin two
6	Shaft	17	Shaft O-ring
7	Washer	18	Spring
8	Fixing plate	19	Iron plate
9	Lock pin	20	Fixing screw
10	Valve cap	21	Body O-ring
11	Spring pin	22	Seal base O-ring

**MECHANICAL VALVES - MODEL HV330**

**DIMENSIONS**



Model \ Item	A	AB	B	C	CA	CB	D	K	KA	KB	M	MA	MB	P	PA
4HV200-06	120	62	62	92.5	73	45	M34 x 1.5	5.5	49	49	3	40	1.5	1/8"	11.5
4HV200-08	120	62	62	92.5	73	45	M34 x 1.5	5.5	49	49	3	40	1.5	1/4"	11.5
4HV300-08	140	74	74	104	88.5	56	M40 x 1.5	6.5	62	62	3	51	1.5	1/4"	13.5
4HV300-10	140	74	74	104	88.5	56	M40 x 1.5	6.5	62	62	3	51	1.5	3/8"	13.5
4HV400-15	160	94	102	128	110	72	M52 x 1.5	6.5	89	81	3	64	2	1/2"	18
4HV400-20	160	94	102	128	110	72	M52 x 1.5	6.5	89	81	3	64	2	3/4"	18

**Managed Models**

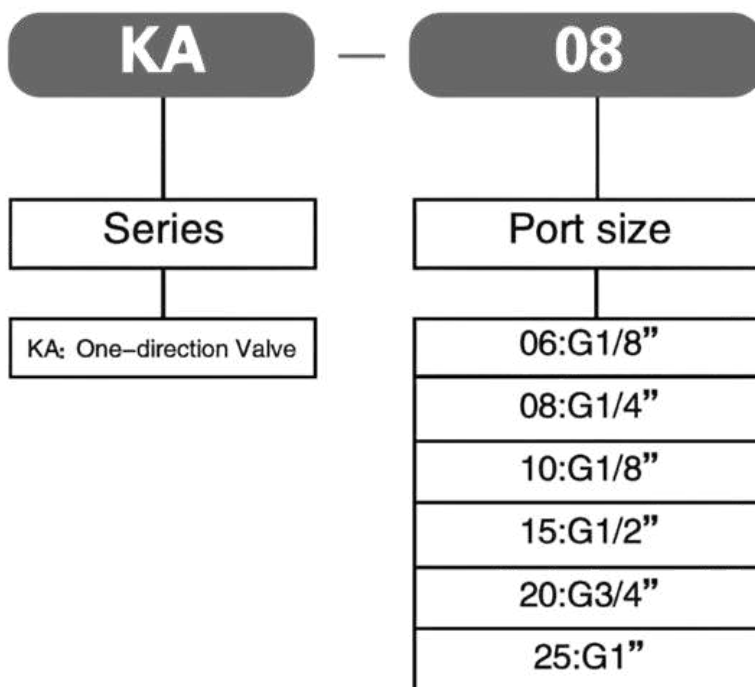
HV330-08	VÁLVULA PALANCA 4/3 - 1/4"
HV330-10	VÁLVULA PALANCA 4/3 - 3/8"
HV330-15	VÁLVULA PALANCA 4/3 - 1/2"

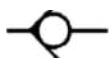
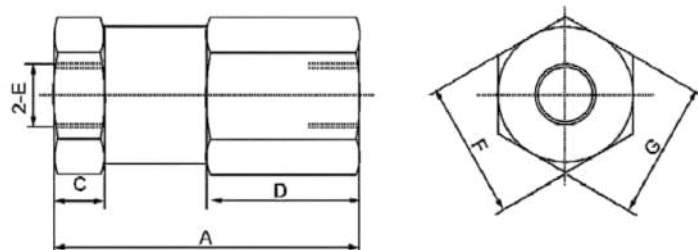
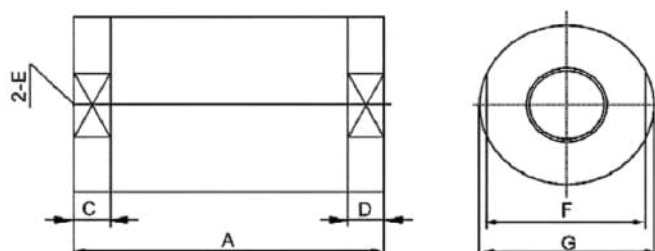
**MECHANICAL VALVES – MODEL KA**



Specifications						
Type	KA-06	KA-08	KA-10	KA-15	KA-20	KA-25
Fluid	Compressed Air					
Calibre Code	06	08	10	15	20	25
Port size (G)	G 1/8"	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"
Operating pressure (Mpa)	0.2 ~ 0.8					
Ambient temperature °C	- 5 ~ 60					

**ORDERING CODE**



**DIMENSIONS**
**Dimension(mm):**

**■ KA-06、08**

**■ KA-10、15、20、25**


Type	A	C	D	E	F	G
KA-06	48	8	24	G 1/8"	21	21
KA-08	48	8	24	G 1/4"	21	21
KA-10	68.5	8	8	G 3/8"	32	φ 35
KA-15	68.5	8	8	G 1/2"	32	φ 35
KA-20	95.5	8	8	G 3/4"	47	φ 50
KA-25	95.5	8	8	G 1"	47	φ 50

## Managed Models

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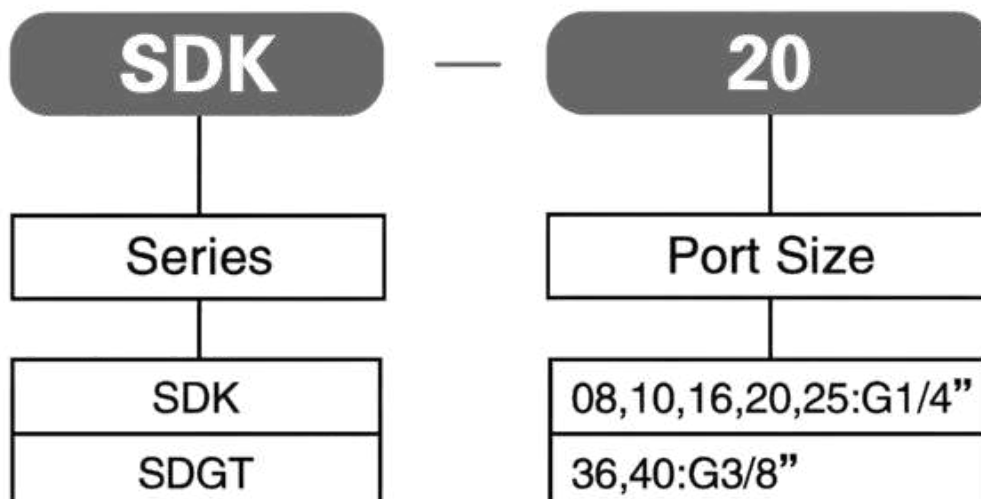
KAM-06	VÁLVULA CHECK - 1/8"
KAM-08	VÁLVULA CHECK - 1/4"
KAM-10	VÁLVULA CHECK - 3/8"
KAM-15	VÁLVULA CHECK - 1/2"
KA-08	VÁLVULA CHECK - 1/4"
KA-10	VÁLVULA CHECK - 3/8"
KA-15	VÁLVULA CHECK - 1/2"

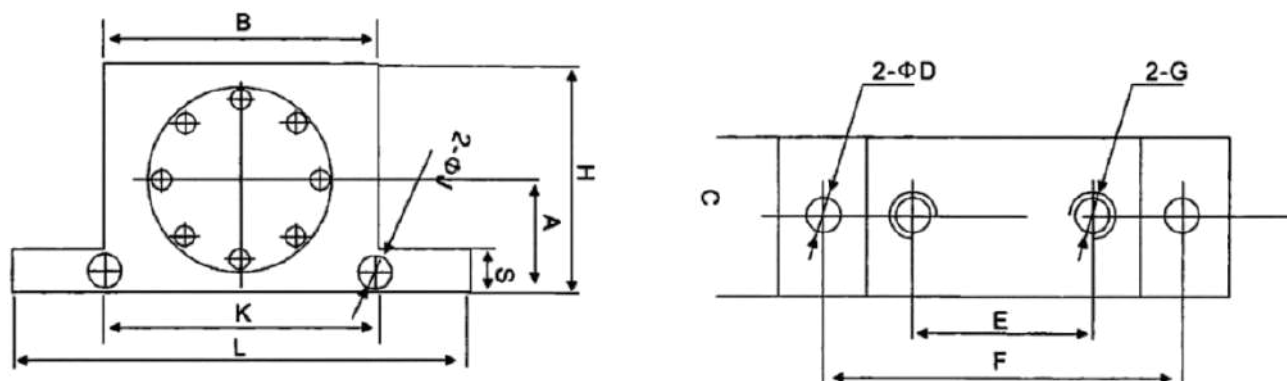
**MECHANICAL VALVES - MODEL SDK**



Specifications							
Type	SDK-08	SDK-10	SDK-16	SDK-20	SDK-25	SDK-36	—
	—	—	SDGT—16	SDGT—20	SDGT—25	SDGT—36	SDGT—40
Port size (G)	1/4"					3/8"	
Operating pressure (Mpa)	0.15 ~ 0.8						
Temperature range °C	— 5 ~ 60						

**ORDERING CODE**



**DIMENSIONS**
**Dimension(mm):**


Type	L	H	S	B	C	D	E	F	G	J	K
SDK-08, SDK-10	86	50	12	51	21	6.5	27	68	G1/4	6.5	39
SDK-16	113	60.5	17	66	28	9	40	90	G1/4	9	50
SDK-20, SDK-25	128	80	17	84	38	9	55	105	G1/4	9	61
SDK-36	161	100	21	105	50	11	72	130	G3/8	11	80
SDGT-16	113	65.5	17	66	42.5	9	40	90	G1/4	—	—
SDGT-20, SDGT-25	128	80	17	84	57	9	55	105	G1/4	—	—
SDGT-36	161	100	21	105	50	11	72	130	G3/8	—	—
SDGT-40	195	122	21	120	80	18	83	151	G3/8	—	—

**Managed Models**

SDK 10	VÁLVULA VIBRADORA 1/4
SDK 20	VÁLVULA VIBRADORA 1/2

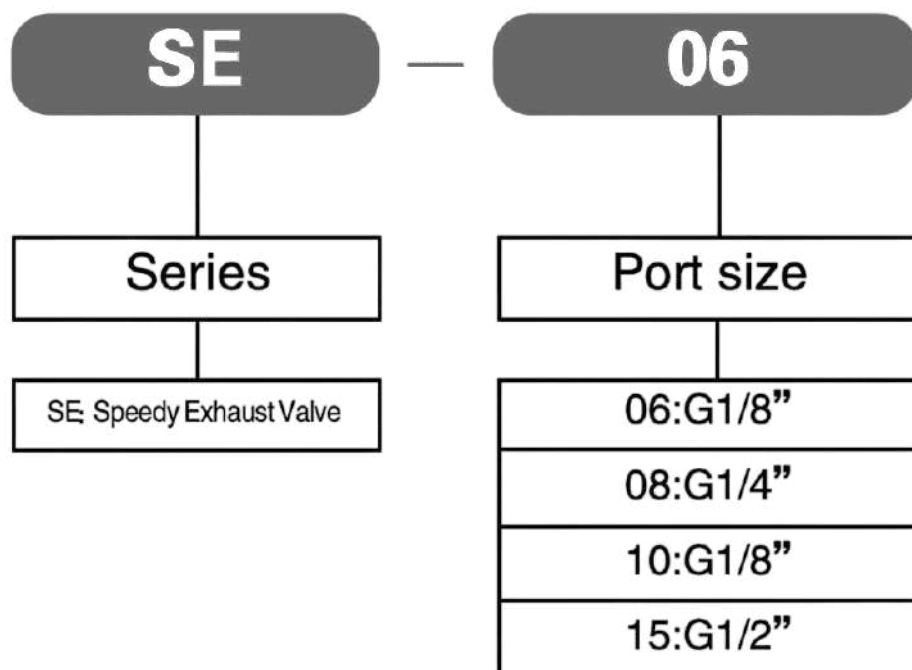


**MECHANICAL VALVES – MODEL SE**



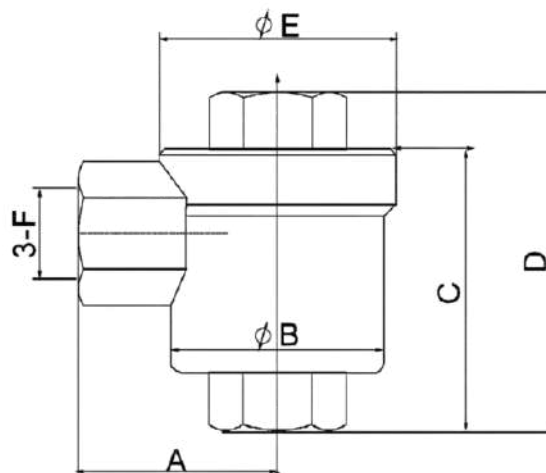
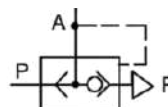
Specifications				
Type	SE-06	SE-08	SE-10	SE-15
Fluid	Compressed Air			
Calibre Code	06	08	10	15
Port size (G)	G 1/8"	G 1/4"	G 3/8"	G 1/2"
Operating pressure (Mpa)	0.2 ~ 0.8			
Ambient temperature °C	- 5 ~ 60			

**ORDERING CODE**



**DIMENSIONS**

**Dimension(mm):**



Type	A	B	C	D	E	F
SE-06	27	30	42	50	φ 35	G 1/8"
SE-08	27	30	42	50	φ 35	G 1/4"
SE-10	36	41	51	62	φ 45	G 3/8"
SE-15	44	48	64	76	φ 45	G 1/2"

Managed Models

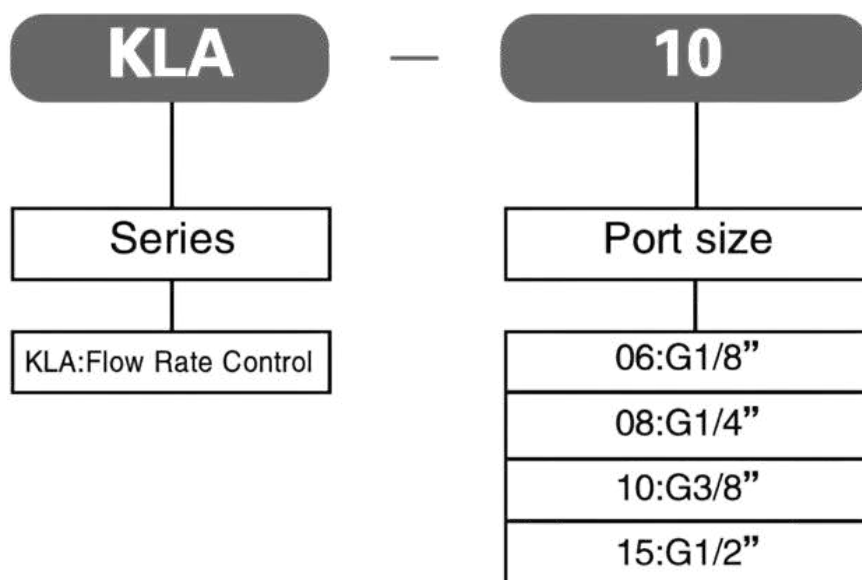
SE-06	ESCAPE RÁPIDO - 1/8"
SE-08	ESCAPE RÁPIDO - 1/4"
SE-10	ESCAPE RÁPIDO - 3/8"
SE-15	ESCAPE RÁPIDO - 1/2"

**MECHANICAL VALVES – MODEL KLA**



Specifications				
Type	KLA-06	KLA-08	KLA-10	KLA-15
Fluid	Compressed Air			
Calibre Code	1/8"	1/4"	3/8"	1/2"
Port size (G)	0.2 ~ 0.8			
Operating pressure (Mpa)	— 5 ~ 60			
Ambient temperature °C	Aluminum alloy			

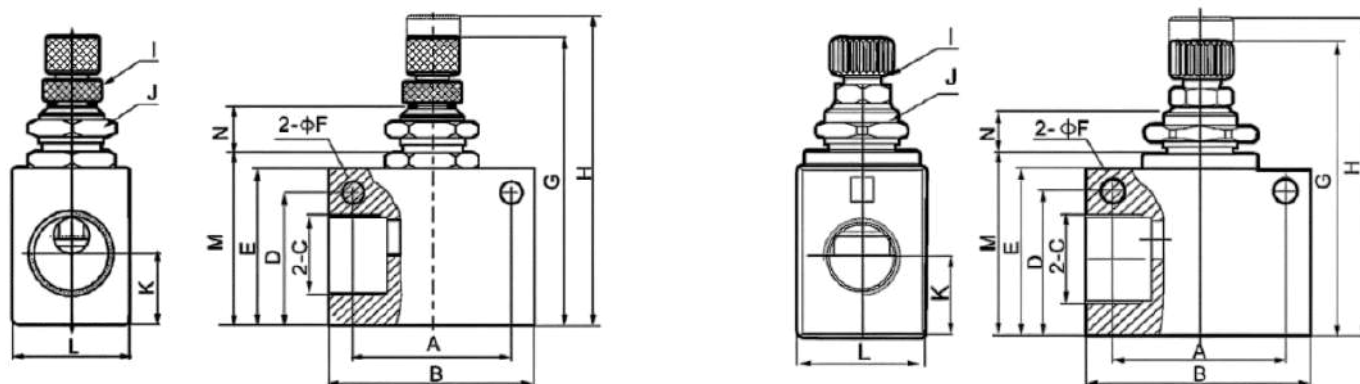
**ORDERING CODE**



**MECHANICAL VALVES – MODEL KLA**

**DIMENSIONS**

**Dimension(mm):**



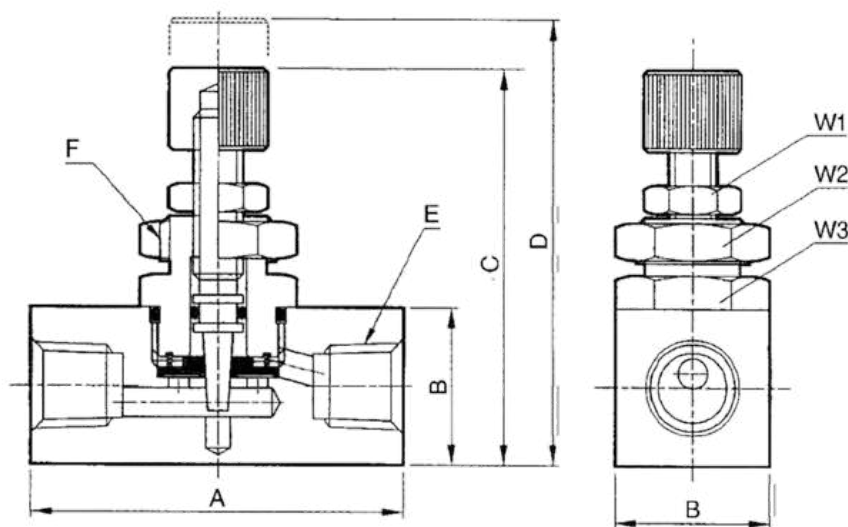
Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KLA-06	30	40	G 1/8"	23	26	4.3	50.8	56.3	M6 x 0.5	M12 x 0.75	13.5	18	30	8.6
KLA-08	30	40	G 1/4"	23	26	4.3	50.8	56.3	M6 x 0.5	M12 x 0.75	13.5	18	30	8.6
KLA-10	35	48.5	G 3/8"	32	36	5.3	65	74	M8 x 0.75	M16 x 1	17.5	28	40	10.2
KLA-15	35	48.5	G 1/2"	32	36	5.3	65	74	M8 x 0.75	M16 x 1	17.5	28	40	10.2

**Managed Models**

KLA-06	REGULADOR FLUJO - 1/8"
KLA-08	REGULADOR FLUJO - 1/4"
KLA-10	REGULADOR FLUJO - 3/8"
KLA-15	REGULADOR FLUJO - 1/2"



Dimension(mm): 



Item No.	A	B	C	D	E	F	W1	W2	W3
RE-06	45	19	46	53	G 1/8	M14 x 1	11	17	17
RE-08	45	19	46	53	G 1/4	M14 x 1	11	17	17
RE-10	55	25	52	59	G 3/8	M18 x 1	11	17	23
RE-15	55	25	52	59	G 1/2	M18 x 1	11	17	23

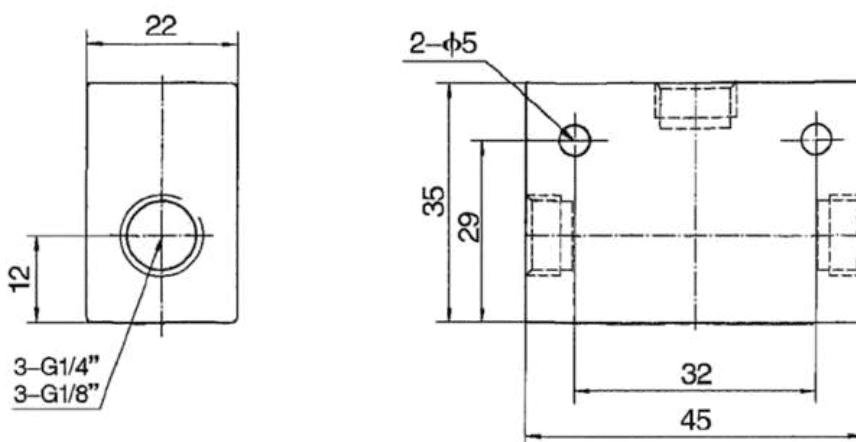
### Managed Models

RE-01	REGULADOR FLUJO - 1/8"
RE-02	REGULADOR FLUJO - 1/4"
RE-03	REGULADOR FLUJO - 3/8"



**Dimension(mm):** 

■ ST-06、08



Managed Models

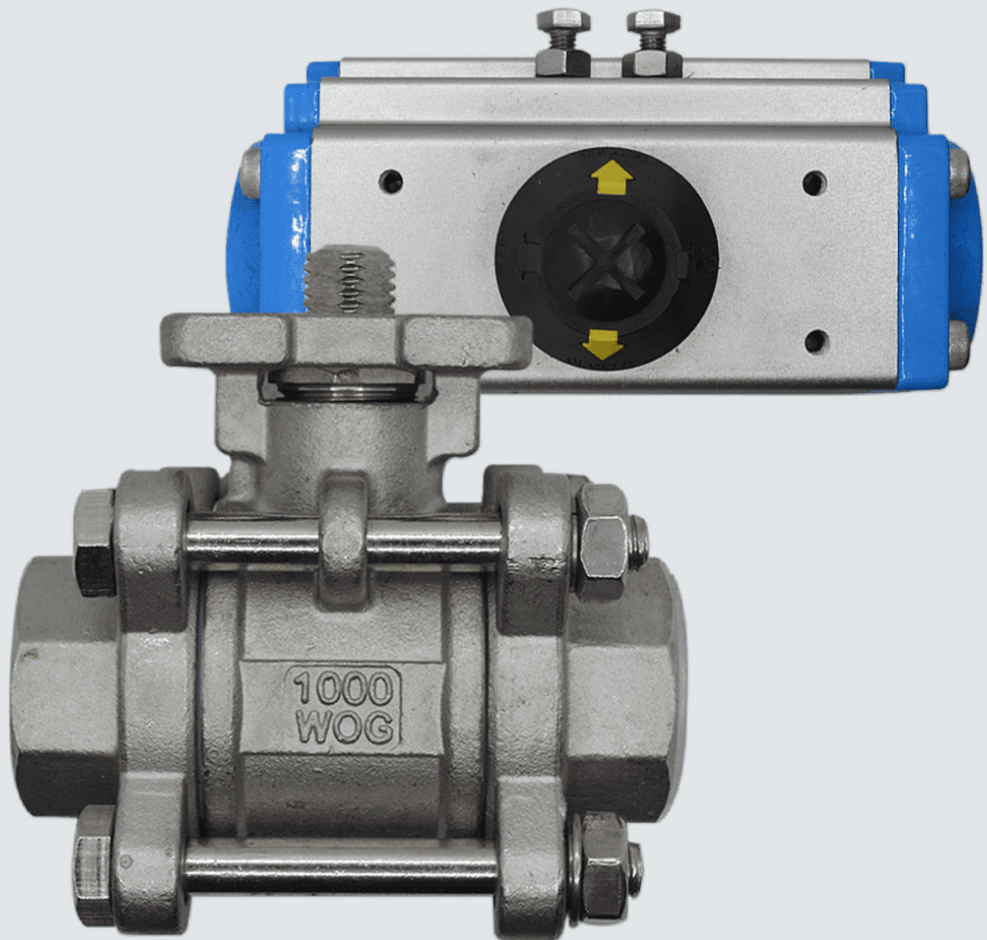
ST 06	VÁLVULA SELECTORA - 1/8"
ST 08	VÁLVULA SELECTORA - 1/4"



Connecting for Better Life

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## BALL VALVE AND ACTUATORS





**BALL VALVE AND ACTUATORS - MODEL AT**



**PART LIST**



- Pressure range
  - Max working pressure: 10bar
  - Double acting: 2.5bar ~ 8bar
  - Single acting: 2.5bar ~ 8bar
- Temperature range: 90°± 5°
- Lubrication
  - All the kinetic components are coated with lubricants, make it have a long service life
- Life time
  - One million time

**BALL VALVE AND ACTUATORS - MODEL AT**

Item	Quantity	Name	Standard material
1	6	Indicator	Poly propylene + GF
2	1	Indicator Plate	Poly propylene + GF
3	1	Jump Ring	Stainless Steel
4	1	Bearing	Stainless Steel
5	1	Bearing	Polyphthalamide
6	1	Body	Extruded Aluminum alloy
7	2	Bearing	Polyphthalamide
8	2	Piston	Die Cast Aluminum
9	2	O-ring	Nit rile (NBR70)
10	2	Bearing	Polyphthalamide
11	8	Bolt and Backstraps	Stainless Steel
12	8	Bolts	Stainless Steel
13	2	End-cup	Die Cast Aluminum
14	2	O-ring	Nit rile (NBR70)
15	2	Guide	Polypropylene + GF
16	1	O-ring	Nit rile (NBR70)
17	1	Bearing	Nylon46
18	1	Bearing	Polyphthalamide
19	1	Cam	Stainless Steel
20	1	Drive shaft	Steel alloy
21	1	Bearing	Nylon46
22	1	O-ring	Nit rile (NBR70)
23	1	O-ring	Nit rile (NBR70)
24	2	Bolt & washer	Stainless Steel
25	2	Nut	Stainless Steel
26	2	Bolt	Stainless Steel
27	Min.5/max.12	Spring	High alloy spring steel
28	1	Spring Plate	Polypropylene + GF

**BALL VALVE AND ACTUATORS - MODEL AT**

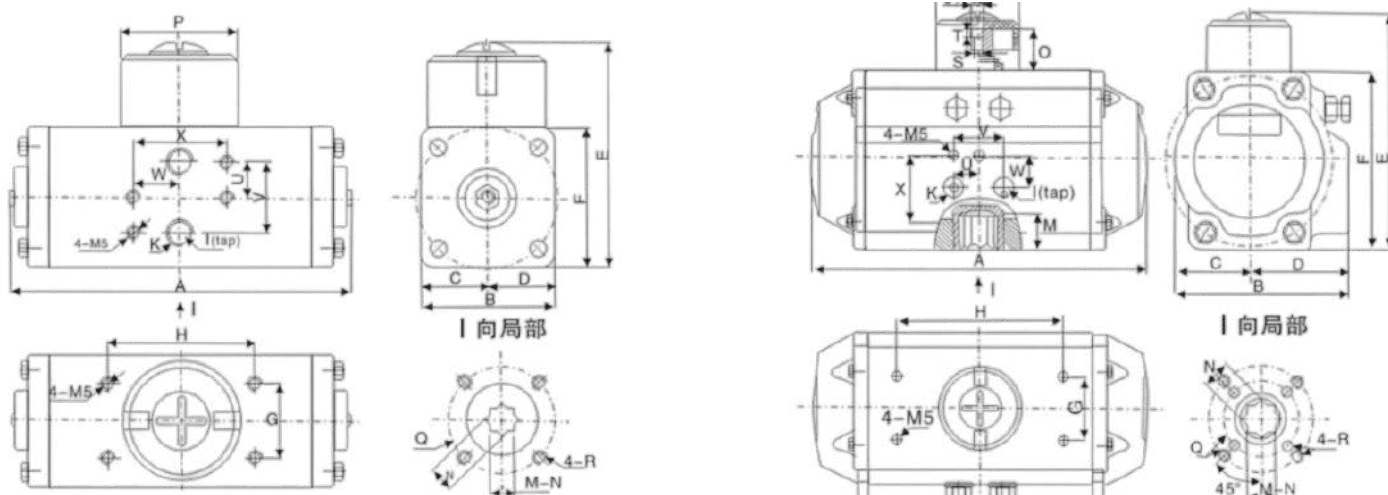
**Double Acting Actuator Output Torque (Nm)**

Model \ Air supply in bar	2.5 bar	3 bar	3.5 bar	4 bar	5 bar	5.5 bar	6 bar	7 bar	8 bar
AT-32	3.6	4.3	5	5.7	7.3	8	8.7	10	11.6
AT-50	8.4	10.1	11.7	13.5	16.7	18.4	20	23.4	26.7
AT-63	14.8	17.7	20.6	23.6	29.4	32.3	35.3	41.1	47
AT-75	29.2	35	40.8	46.6	58.3	64.1	69.9	81.5	93.2
AT-88	45.9	55	64.2	73.3	91.6	101.1	110.1	128.1	146.1
AT-100	66.8	80.1	93.4	106.3	133.3	146.3	160.3	186.3	213.3
AT-125	139	167	195	223	278	303	333	389	444
AT-145	217	261	304	348	434	478	521	608	695
AT-160	285	341	398	455	577	625	682	795	909
AT-190	533	639	746	852	1065	1171	1277	1490	1703
AT-240	893	1072	1250	1430	1787	1965	2144	2502	2859
AT-270	1306	1565	1824	2084	2603	2862	3121	3640	4159

**Single Acting Actuator Output Torque (Nm)**

Model	S.Set	2.5 bar		3 bar		3.5 bar		4 bar		4.5 bar		5 bar		5.5 bar		6 bar		7 bar		8 bar		Sprint Torque					
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°				
AT-50S	5	3.5	6.7	5.2	8.4	6.9	10.0	8.5	11.7	10.2	13.3	11.8	14.3	12.5									5	3.5			
	6		2.6	6	4.2	7.7	5.9	9.4	7.5	11.0	9.2	12.7	10.9	13.7	11.6	15.3	13.2							5.9	4.1		
	7	5		5.4	3.2	7.0	4.9	8.7	6.6	10.3	8.2	12	9.9	13.0	10.6	14.7	12.2							6.9	4.8		
	8	5.0				6.3	3.9	8.0	5.6	9.7	7.3	11.3	8.9	12.3	9.6	14.0	11.3	17.3	14.6			20.6	17.9	8.9	6.2		
	9	4.4						7.3	4.6	9.0	6.3	10.7	7.9	12.3	9.6	14.0	11.3	17.3	14.6					19.3	16.9		
	10									8.3	5.3	10.0	7.0	11.6	8.6	13.3	10.3	16.6	13.6					18.6	15.0		
	11											9.3	6.0	11.0	7.7	12.6	9.3	16.0	12.6					16.0	12.6		
	12												9.3	6.0	10.3	6.7	12.0	8.3	15.3	11.7					18.6	15.0	
	AT-63S	5		6.3	12.1	9.3	15.1	12.2	18.0	15.1	20.9	18.0	23.9	21.0											8.5	5.6	
		6		4.6	11.0	7.6	14.0	10.5	16.9	13.4	19.8	16.4	22.8	19.3	25.7	22.2										10.2	6.8
		7			9.9	5.9	12.9	8.8	15.8	11.7	18.7	14.7	21.3	17.6	24.6	20.5	27.5	23.5								11.9	7.9
		8	9.2				11.7	7.1	14.7	10.1	17.6	13.0	20.5	15.9	23.5	18.8	26.4	21.8	32.3	27.6							13.6
9		8.1						13.6	8.4	16.5	11.3	19.4	14.2	22.4	17.2	25.3	20.1	31.2	26.0			38.0	31.8	15.3	10.1		
10										15.4	9.6	18.3	12.54	21.2	15.5	24.2	18.4	30.0	24.3					35.9	30.1	17	11.2
11												17.2	10.9	20.1	13.8	23.1	16.7	28.9	22.6					34.8	28.4	18.7	12.3
12														19.0	12.1	22.0	15.0	27.8	20.9					33.7	26.8	20.3	13.4

**DIMENSIONS**



## BALL VALVE AND ACTUATORS - MODEL AT

Model	FLUANGE (ISO 5211)		A	B	C	D	E	F	G	H	I	J	K	O	P	S	T	U	V	W	X
	Q	R																			
AT-50S	F03 / F05	M5 / M6	144	70.5	29	41.5	99	69	30	80	PF	M6	1/8"	20	40	4	4	12	24	16	32
	φ 36 / φ 50	13-nov																			
AT-63S	F03 / F05	M5 / M6	163	83.5	36	47.5	115	85	30	80	PF	M6	1/8"	20	40	4	4	12	24	16	32
	φ 36 / φ 50	16 / 14																			

### Managed Models

AT052D	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1/2-1" F03-F05
AT052S	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 1/2-1" F03-F05
AT063D	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 2" F05-F07
DR15	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1/2-1" F04
DR30	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1 1/4-1 1/2" F05
DR60	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 2" F05-07
DR150	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 3" F07-10
SO15	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 1/2" F04
SO30	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 3/4-1" F05

**BALL VALVE AND ACTUATORS - MODEL THREE PIECES BALL VALVE**



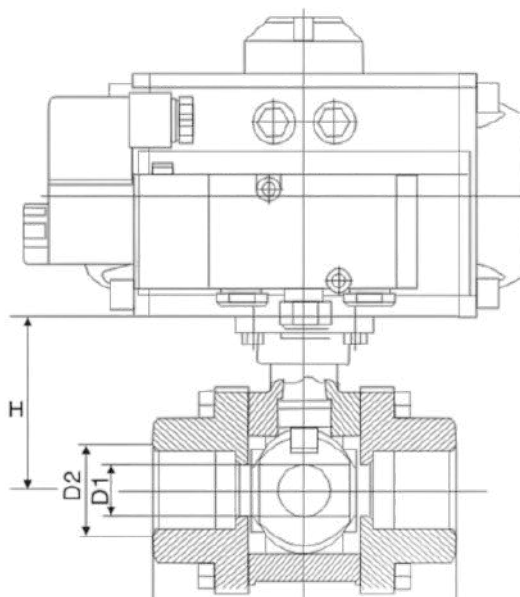
**SPECIFICATIONS**

- Size: 1/2" ~ 4" (DN15 ~ DN100)
- Explosion Proof Stem, Anti-static Design
- Shell Wall Thickness: ANSI B16.34 Class300
- Body: CF8/CF8M
- Ball: SS316
- Stem: SS316
- Seat: PTFE
- End Connections: Threaded End
- Working Pressure: 1/2" ~ 2" 1000 psi  
2" ~ 1/2" ~ 4" 800 psi
- Temperature Range: -20 °C ~ + 180 °C
- Manufacturing standard: GB, ISO, ANSI, BS, DIN

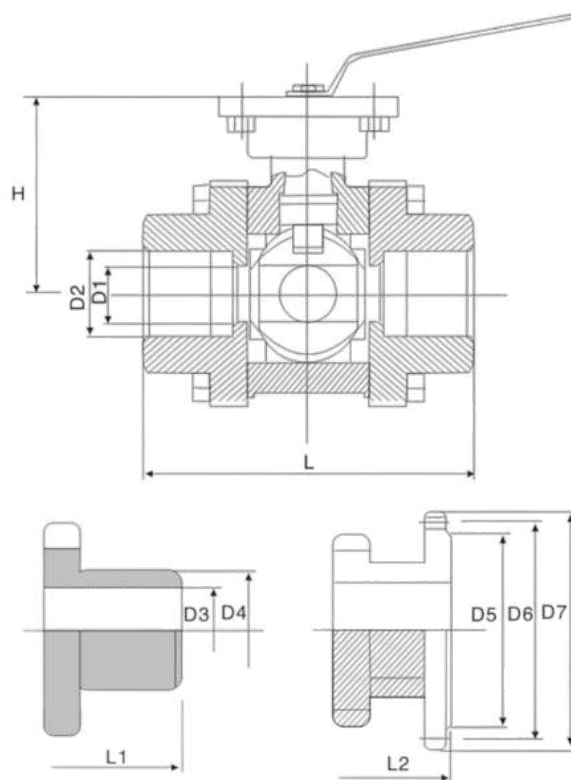
**SPECIFICATIONS**

- Pneumatic/Electrical
- Solenoid Valve
- Limit Switch Box
- Positioner

**DIMENSIONS**



**BALL VALVE AND ACTUATORS - MODEL THREE PIECES BALL VALVE**



Size	Body Material	Trim Material	Valve Seat	Connection Style
1/2" ~ 4	CF8	316	PTFE	NPT
1/2" ~ 4	CF8M	316	PTFE	NPT

DN	Size (mm)											DN
	L	L1	L2	D1	D2	D3	D4	D5	D6	D7	H	
15	75	75	130	15	21.8	15.8	22	45	65	95	42	NPT BSP PT DIN
20	80	90	150	20	27.3	20.9	28	58	75	105	49	
25	90	100	160	25	34	26.7	34	34	68	85	115	
32	110	110	180	32	42.8	35.1	43	78	100	140	63	
40	120	125	200	38	48.9	40.9	50	88	110	150	71	
50	140	150	230	50	61.4	52.5	61	102	125	165	78	
65	185	190	290	63.5	74	62.7	76	122	145	185	100	
80	205	220	310	76	90	78	92	138	160	200	109	
100	240	270	350	100	115.4	102.4	115	162	190	235	140	

Managed Models



AT052D	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1/2-1" F03-F05
AT052S	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 1/2-1" F03-F05
AT063D	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 2" F05-F07
DR15	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1/2-1" F04
DR30	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 1 1/4-1 1/2" F05
DR60	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 2" F05-07
DR150	ACTUADOR DOBLE EFECTO PARA VALVULAS DE 3" F07-10
SO15	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 1/2" F04
SO30	ACTUADOR SIMPLE EFECTO PARA VALVULAS DE 3/4-1" F05
VB-1/2"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 1/2"
VB-3/4"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 3/4"
VB-1"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 1"
VB-1 1/2"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 1 1/2"
VB-2"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 2"
VB-3"	VALVULA BOLA 3 PIEZAS ROSCADA DE SS304 3"



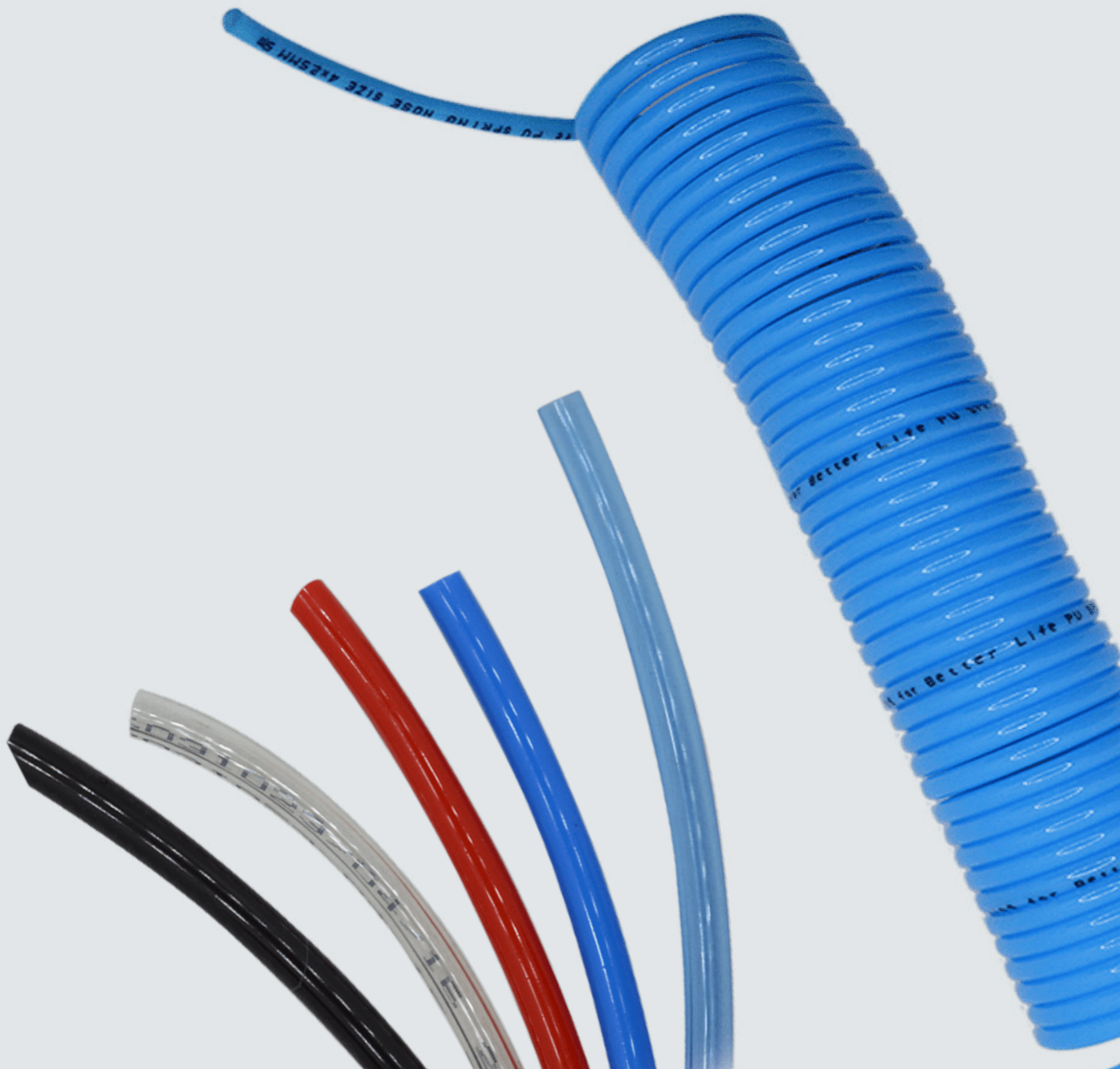


# AIRFIT

Connecting for Better Life

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## HOSES





## SIZE

4×2.5, 6×4, 8×5, 8×5.5, 8×6, 10×6.5, 10×7, 10×7.5, 12×8, 12×9, 14×10, 16×12  
5/32, 1/4, 5/16, 3/8, 1/2

Type: Roll type

Length: 50M, 100M, 200M

Color: Blue, Orange, Red, Black, Green, Yellow, Transparent

Material: TPU

Quality Control:

- Raw material is from domestic big manufactures. Quality stable, Long lifespan, small bending radius.
- New production equipment, full vacuum production process. To ensure the accuracy of product size. Super long cooling water tank to ensure that every inch of the tube could be effective Typing.
- Japan imported KGK micro word printing technology. To ensure pretty outside looking.
- New Two-way laser diameter measuring instrument. Monitor the whole process.
- Siemens servo motor & ABB Transducer to ensure stable production.
- Computer automatically cut off. To ensure full size of each roll.
- Use of 36CM big size packing plate. To ensure high quality of the tubing from inside to outside.
- Strict testing of tube length, thickness, roundness before out of factory. To ensure perfect quality.

Size (mm)		Working Pressure		Burst Pressure		Temperature	Lenght / Roll	Weight / M
O.D.	I.D.	Kgf/cm <sup>2</sup>	PSI	Kgf/cm <sup>2</sup>	PSI	°C	M	G
4	2.5	10	145	27	391.5	-20°C ~ 50°C	200	9
6	4	10	145	25	362.5	-20°C ~ 50°C	200	19
8	5	10	145	32	464	-20°C ~ 50°C	100	36
8	6	8	116	20	290	-20°C ~ 50°C	100	30
10	6.5	10	145	25	362.5	-20°C ~ 50°C	100	56
12	8	10	145	32	464	-20°C ~ 50°C	100	77
14	10	8	116	24	348	-20°C ~ 50°C	50	93
16	12	8	116	24	348	-20°C ~ 50°C	50	108

## Managed Models



PU4x2.5 B	MANGUERA 4 MM POR 2.5 MM AZUL
PU4x2.5 C	MANGUERA 4 MM POR 2.5 MM TRANSP
PU4x2.5 BC	MANGUERA 4 MM POR 2.5 MM AZUL TRANSPARENTE
PU6x4 B	MANGUERA 6 MM POR 4 MM AZUL
PU6x4 BC	MANGUERA 6 MM POR 4 MM AZUL TRANSPARENTE
PU6x4 BK	MANGUERA 6 MM POR 4 MM NEGRA
PU6x4 C	MANGUERA 6 MM POR 4 MM TRANSP
PU6x4 R	MANGUERA 6 MM POR 4 MM ROJA
PU6x4 Y	MANGUERA 6 MM POR 4 MM AMARILLA
PU8x5 C	MANGUERA 8 MM POR 5 MM AZUL
PU8x5 BC	MANGUERA 8 MM POR 5 MM AZUL TRANSPARENTE
PU8x5 BK	MANGUERA 8 MM POR 5 MM NEGRA
PU8x5 C	MANGUERA 8 MM POR 5 MM TRANSPARENTE
PU8x5 R	MANGUERA 8 MM POR 5 MM ROJA
PU8x5 Y	MANGUERA 8 MM POR 5 MM AMARILLA
PU10x6.5 B	MANGUERA 10 MM POR 6.5 MM AZUL
PU10x6.5 BC	MANGUERA 10 MM POR 6.5 MM AZUL TRANSP
PU10x6.5 C	MANGUERA 10 MM POR 6.5 MM TRANSP
PU10x6.5 BK	MANGUERA 10 MM POR 6.5 MM NEGRA
PU12x8 B	MANGUERA 12 MM POR 8 MM AZUL
PU12x8 C	MANGUERA 12 MM POR 8 MM TRANSP
PU12x8 BC	MANGUERA 12 MM POR 8 MM AZUL TRANSPARENTE
PU14x10 B	MANGUERA 14 MM POR 10 MM AZUL
PU16x13 B	MANGUERA 16 MM POR 13 MM AZUL
PU16x13 C	MANGUERA 16 MM POR 13 MM TRANSPARENTE
PU1/8 B	MANGUERA 1/8 AZUL
PU3/16 B	MANGUERA 3/16 AZUL
PU5/32 B	MANGUERA 5/32 AZUL
PU1/4 B	MANGUERA 1/4 AZUL
PU1/4 BC	MANGUERA 1/4 AZUL TRANSP
PU1/4 BK	MANGUERA 1/4 NEGRA
PU1/4 C	MANGUERA 1/4 TRANSPARENTE
PU5/16 B	MANGUERA 5/16 AZUL
PU3/8 B	MANGUERA 3/8 AZUL
PU3/8 BC	MANGUERA 3/8 AZUL TRANSP
PU3/8 C	MANGUERA 3/8 TRANSPARENTE
PU1/2 B	MANGUERA 1/2 AZUL
PU1/2 BC	MANGUERA 1/2 AZUL TRANSPARENTE
PU1/2 C	MANGUERA 1/2 TRANSPARENTE

**HOSES - MODEL PU SPRING HOSE**



Type: Spring Type (With Fitting Optional)  
Length: 5M, 6M, 7.5M, 9M, 10M, 12M, 15M Color: Blue, Orange, Red, Black, Green, Yellow, Transparent

Special Colour and Length are Available  
Inch size is available  
Material: TPU

**Managed Models**



PU4X2.5-5M	MANGUERA HELICOIDAL 4 MM POR 5 M AZUL
PU6X4-5M	MANGUERA HELICOIDAL 6 MM POR 5 M AZUL
PU8x5.5-5M	MANGUERA HELICOIDAL 8 MM POR 5 M AZUL
PU10x6.5-5M	MANGUERA HELICOIDAL 10 MM POR 5 M AZUL
PU6X4-7.5M	MANGUERA HELICOIDAL 6 MM POR 7.5 M AZUL
PU8x5.5-7.5M	MANGUERA HELICOIDAL 8 MM POR 7.5 M AZUL
PU10x6.5-7.5M	MANGUERA HELICOIDAL 10 MM POR 7.5 M AZUL
PU12x8-7.5M	MANGUERA HELICOIDAL 12 MM POR 7.5 M AZUL
PU6x4-10M	MANGUERA HELICOIDAL 6 MM POR 10 M AZUL
PU8x5.5-10M	MANGUERA HELICOIDAL 8 MM POR 10 M AZUL
PU10x6.5-10M	MANGUERA HELICOIDAL 10 MM POR 10 M AZUL
PU3/8-7.5M	MANGUERA HELICOIDAL 3/8" POR 7.5 M AZUL

## HOSES - MODEL NYLON TUBE



- Good wear ability, smooth surface, low resistance, anti-rustiness and anti-scaling
- Flexible, easily to be bended into all kinds of shapes, easy to install
- High chemical and hydrolysis resistance, stable dimension, little penetration, can be used more than ten years.
- High and low temperature resistance(-40°C-120°C).can transfer compressed air, water, oil, chemical liquid and so on.
- It is widely used in Light trucks, car hydraulic brake system, power steering tube, forklifts and loading trucks. Mining vehicles, heavy machinery, ships, and other works of hydraulic mechanical transmission and control system piping, paint and liquid resin spraying high-pressure pipe, air conditioning.

Size(O.D. X Wall thickness)	Size(O.D. X Wall thickness)	Tensile Strength(kgf/cm2)	Working Pressure(Mpa)	Bursting Pressure(Mpa)	Bending Radius(mm)
3mm x 0.5mm	3mm x 0.5mm	10	3.0	4.5	18
4mm x 0.75mm	4mm x 0.75mm	13	3.1	5.5	20
4mm x 1mm	4mm x 1mm	16	4.5	6.8	30
5mm x 1mm	5mm x 1mm	22	3.4	6.5	35
6mm x 1mm	6mm x 1mm	34	3.2	6.3	40
8mm x 1mm	8mm x 1mm	43	2.6	5.7	50
10mm x 1mm	10mm x 1mm	62	2.7	4.5	65
10mm x 1.25mm	10mm x 1.25mm	70	2.8	5.6	65
12mm x 1.5mm	12mm x 1.5mm	101	3.2	5.7	70
14mm x 1.5mm	14mm x 1.5mm	125	2.2	5.6	80
15mm x 1.5mm	15mm x 1.5mm	140	2.0	5.4	90
16mm x 2mm	16mm x 2mm	190	2.8	5.4	130
18mm x 1.5mm	18mm x 1.5mm	210	2.3	3.6	155
23mm x 2mm	23mm x 2mm	260	2.1	3.3	120
3/16 mm x 0.75mm	3/16 mm x 0.75mm	18	3.3	6.3	35
5/16 mm x 1mm	5/16 mm x 1mm	40	2.5	5.6	50
1/4"mm x 1mm	1/4"mm x 1mm	38	2.7	5.3	45
3/8 mm x 1.5mm	3/8 mm x 1.5mm	65	2.8	6.1	50
1/2 mm x 1.5mm	1/2 mm x 1.5mm	110	3.0	5.5	80
5/8 mm x 1.5mm	5/8 mm x 1.5mm	175	2.7	5.0	125

## HOSES - MODEL PA NYLON TUBE



AIRFIT, nylon tube is the most stable chemical and physical properties in normal nylon material. Wear and Corrosion resistant, easy to bend and install, smooth surface, rust and fouling prevention, stable tensile and bending feature, dimensional stability, low permeability.

Long service life and a wide range of application in air, water, chemicals, lubricants, instrument lines, irrigation control systems. textile mills, food plants, vehicles and ship fuel pipes, vacuum system, air-conditioning, brake systems of cars, trucks and trailers, hydraulic system, the oscillation insulators and other industries.

Maintain a flexible work properly in the temperature range of  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .

Remark:  $1/4''$ ,  $5/16''$ ,  $3/8''$ ,  $1/2''$ ,  $3/16''$  and other inch sizes are available, welcome to communicate more.

### SPECIFICATIONS

Size(mm) (O.D x Wall Thickness)	Working Pressure	Bursting Pressure	Abrasion	Hardness	Tensile Strength	Bending Radius
14 x 1.5	20° C 2.2 MPa/cm <sup>2</sup>	20° C 5.6 MPa/cm <sup>2</sup>	42mg	75D ± 5	120KGF	80mm
12 x 1.5	20° C 1.9 MPa/cm <sup>2</sup>	20° C 5.7 MPa/cm <sup>2</sup>	42mg	75D ± 5	98KGF	67mm
10 x 1.25	20° C 1.9 MPa/cm <sup>2</sup>	20° C 5.7 MPa/cm <sup>2</sup>	42mg	75D ± 5	68KGF	60mm
10 x 1	20° C 1.6 MP/cm <sup>2</sup>	20° C 4.5 MPa/cm <sup>2</sup>	42mg	75D ± 5	57KGF	62mm
8 x 1	20° C 1.9 MPa/cm <sup>2</sup>	20° C 5.7 MPa/cm <sup>2</sup>	42mg	75D ± 5	40KGF	48mm
6 x 1	20° C 2.7 MPa/cm <sup>2</sup>	20° C 8.1 MPa/cm <sup>2</sup>	42mg	75D ± 5	32KGF	37mm
5 x 1	20° C 2.9 MPa/cm <sup>2</sup>	20° C 8.7 MPa/cm <sup>2</sup>	42mg	75D ± 5	22KGF	25mm
4 x 0.75	20° C 2.7 MPa/cm <sup>2</sup>	20° C 5.2 MPa/cm <sup>2</sup>	42mg	75D ± 5	12KGF	18mm

### Managed Models

PA6x4	MANGUERA 6 MM POR 4 MM BLANCA
PA1/4	MANGUERA 1/4 BLANCA
PA3/8	MANGUERA 3/8 BLANCA





Connecting for Better Life

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## PNEUMATIC FITTINGS



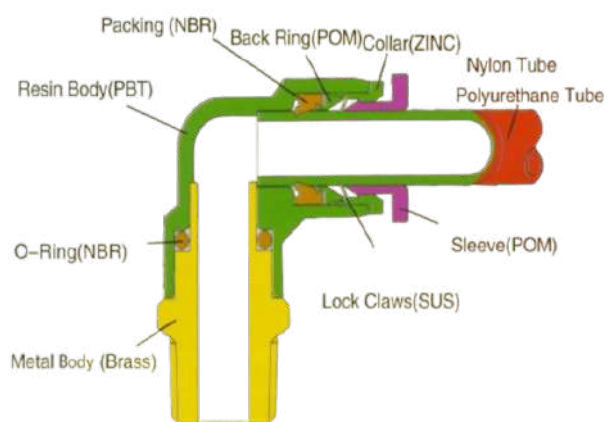
## PNUEMATIC ONE - TOUCH FITTINGS

- One-Touch tube fittings are used in pneumatics piping.
- The tube fittings come in a wide variety of models to meet all your needs
- Even after installation, the direction of the tube can be changed freely.
- Nickel-Plated metal body ensures Anti-Corrosion and Anti-Contamination
- All R and NPT threads are Pre-Coated sealant.
- All parallel threads are with standard O-Ring seals.

### SPECIFICATIONS

Fluid	Air, Vacuum
Operating Pressure	0 — 1.0 MPa (150psi)
Negative Pressure	—100 KPa (—29.5 in. Hg)
Max Pressure	1.5 MPa
Operating Temperature	0 — 60° (32 — 140 F)
ApplicableTube	Polyurethane and Nylon

### STRUCTURE CHART



**A** (1)      **PC** (2)      **8** (3)      **01** (4)

- (1) AIRFIT FITTINGS.  
(2) MODEL.  
(3) TUBE OUTER DIA.

Metric Size													
Code	4	5	6	7	8	9	10	11	12	13	14	15	16
Tube Outer Diameter mm	φ 4	φ 5	φ 6	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16

Inch Size						
Code	5/32	3/16	1/4	5/16	3/8	1/2
Tube Outer Diameter mm	φ 5/32	φ 3/16	φ 1/4	φ 5/16	φ 3/8	φ 1/2

- (4) Thread Type and size.

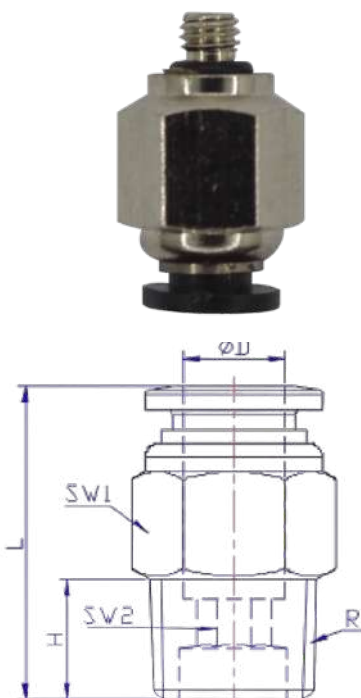
Metric Size									
Code	M5	M6	M8	M10	M12	M12A	M14	M16	M20
Thread	M5*0.8	M6*1	M8*1	M10*1	M12*1.25	M12*1.5	M14*1.5	M16*1.5	M20*1.5

55° Tapper Pipe Size					
Code	01	02	03	04	06
Thread	R 1/8	R 1/4	R 3/8	R 1/2	R 3/4

55° T G Thread Pipe Size					
Code	G 01	G 02	G 03	G 04	G 06
Thread	G 1/8	G 1/4	G 3/8	G 1/2	G 3/4

UNF hread		American Standard Taper Pipe Thread (NPT)				
Code	U10	N01	N02	N03	N04	N06
Thread	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

**FITTINGS - MODEL APC**



MODEL	D	R	H	L	SW1	SW2
APC 04-M5	4	M5	3.5	20.2	10	2
APC 04-M6	4	M6	4	20.5	10	2
APC 04-01	4	R1/8	7.5	19.7	10	3
APC 04-02	4	R1/4	9.5	18.2	14	3
APC 04-03	4	R3/8	10.5	19.2	17	3
APC 06-M5	6	M5	3.5	20.6	12	2
APC 06-M6	6	M6	4	21.1	12	2
APC 06-01	6	R1/8	7.5	20.6	12	4
APC 06-02	6	R1/4	9.5	22.1	14	4
APC 06-03	6	R3/8	10.5	20.4	17	4
APC 06-04	6	R1/2	13.5	24.4	21	4
APC 08-01	8	R1/8	7.5	25.7	14	5
APC 08-02	8	R1/4	9.5	24.7	14	5
APC 08-03	8	R3/8	10.5	21.7	17	6
APC 08-04	8	R1/2	13.5	25.7	21	6
APC 10-01	10	R1/8	7.5	29.4	17	5
APC 10-02	10	R1/4	9.5	30.9	17	6
APC 10-03	10	R3/8	10.5	28.4	17	8
APC 10-04	10	R1/2	13.5	26.9	21	8
APC 12-01	12	R1/8	7.5	31.2	21	5
APC 12-02	12	R1/4	9.5	33.2	21	6
APC 12-03	12	R3/8	10.5	30.2	21	8
APC 12-04	12	R1/2	13.5	32.2	21	8
APC 14-03	14	R3/8	10.5	35	22	8
APC 14-04	14	R1/2	13.5	33	22	10
APC 15-03	15	R3/8	10.5	38	24	8
APC 15-04	15	R1/2	13.5	35	24	10
APC 16-03	16	R3/8	10.5	38	24	8
APC 16-04	16	R1/2	13.5	39.5	24	10
APC 16-06	16	R3/4	15	41	27	/

**Managed Models**

MODELO	DESCRIPCIÓN
PC-03-M3	CONEXIÓN RECTA 3 MM A M3
PC-03-M5	CONEXIÓN RECTA 3 MM A M5
PC-04-M5	CONEXIÓN RECTA 4 MM A M5
PC-04-M3	CONEXIÓN RECTA 4 MM A M3
PC-04-M6	CONEXIÓN RECTA 4 MM A M6
PC-04-1/16	CONEXIÓN RECTA 4 MM A 1/16
PC-04-01	CONEXIÓN RECTA 4 MM A 1/8
PC-04-02	CONEXIÓN RECTA 4 MM A 1/4
PC-04-03	CONEXIÓN RECTA 4 MM A 3/8
PC-06-1/16	CONEXIÓN RECTA 6 MM A 1/16
PC-06-M3	CONEXIÓN RECTA 6 MM A M3
PC-06-M5	CONEXIÓN RECTA 6 MM A M5
PC-06-M6	CONEXIÓN RECTA 6 MM A M6
PC-06-01	CONEXIÓN RECTA 6 MM A 1/8
PC-06-02	CONEXIÓN RECTA 6 MM A 1/4
PC-06-03	CONEXIÓN RECTA 6 MM A 3/8
PC-06-04	CONEXIÓN RECTA 6 MM A 1/2
PC-08-01	CONEXIÓN RECTA 8 MM A 1/8
PC-08-02	CONEXIÓN RECTA 8 MM A 1/4
PC-08-03	CONEXIÓN RECTA 8 MM A 3/8
PC-08-04	CONEXIÓN RECTA 8 MM A 1/2
PC-10-01	CONEXIÓN RECTA 10 MM A 1/8
PC-10-02	CONEXIÓN RECTA 10 MM A 1/4
PC-10-03	CONEXIÓN RECTA 10 MM A 3/8
PC-10-04	CONEXIÓN RECTA 10 MM A 1/2
PC-12-01	CONEXIÓN RECTA 12 MM A 1/8

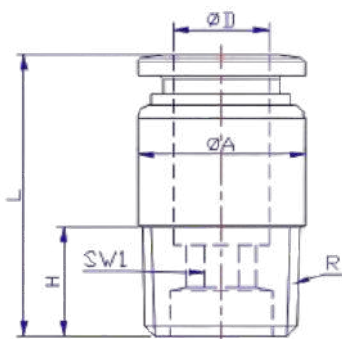
PC-12-02	CONEXIÓN RECTA 12 MM A 1/4
PC-12-03	CONEXIÓN RECTA 12 MM A 3/8
PC-12-04	CONEXIÓN RECTA 12 MM A 1/2
PC-14-04	CONEXIÓN RECTA 14 MM A 1/2
PC-16-03	CONEXIÓN RECTA 16 MM A 3/8
PC-16-04	CONEXIÓN RECTA 16 MM A 1/2
PC-1/8-1/16	CONEXIÓN RECTA 1/8 A 1/16
PC-1/8-01	CONEXIÓN RECTA 1/8 A 1/8
PC-1/8-02	CONEXIÓN RECTA 1/8 A 1/4
PC-3/16-01	CONEXIÓN RECTA 3/16 A 1/8
PC-3/16-02	CONEXIÓN RECTA 3/16 A 1/4
PC-1/4-U10	CONEXIÓN RECTA 1/4 A 10/32
PC-1/4-1/16	CONEXIÓN RECTA 1/4 A 1/16
PC-1/4-01	CONEXIÓN RECTA 1/4 A 1/8
PC-1/4-02	CONEXIÓN RECTA 1/4 A 1/4
PC-1/4-03	CONEXIÓN RECTA 1/4 A 3/8
PC-1/4-04	CONEXIÓN RECTA 1/4 A 1/2
PC-5/16-01	CONEXIÓN RECTA 5/16 A 1/8
PC-5/16-02	CONEXIÓN RECTA 5/16 A 1/4
PC-5/16-03	CONEXIÓN RECTA 5/16 A 3/8
PC-5/16-04	CONEXIÓN RECTA 5/16 A 1/2
PC-3/8-01	CONEXIÓN RECTA 3/8 A 1/8
PC-3/8-02	CONEXIÓN RECTA 3/8 A 1/4
PC-3/8-03	CONEXIÓN RECTA 3/8 A 3/8
PC-3/8-04	CONEXIÓN RECTA 3/8 A 1/2
PC-1/2-01	CONEXIÓN RECTA 1/2 A 1/8
PC-1/2-02	CONEXIÓN RECTA 1/2 A 1/4
PC-1/2-03	CONEXIÓN RECTA 1/2 A 3/8
PC-1/2-04	CONEXIÓN RECTA 1/2 A 1/2

**FITTINGS - MODEL APOC**



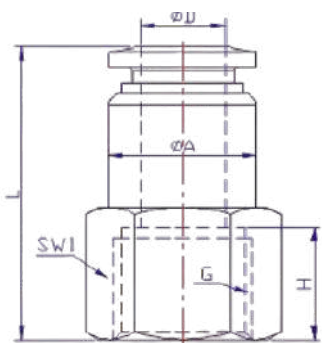
MODEL	D	R	H	L	A	SW1
APOC-08-01	8	R 1/8	7.5	25.7	14	5

**Managed Models**



MODELO	DESCRIPCIÓN
POC-08-G01	CONEXIÓN RECTA 8 MM A 1/8

**APCF**

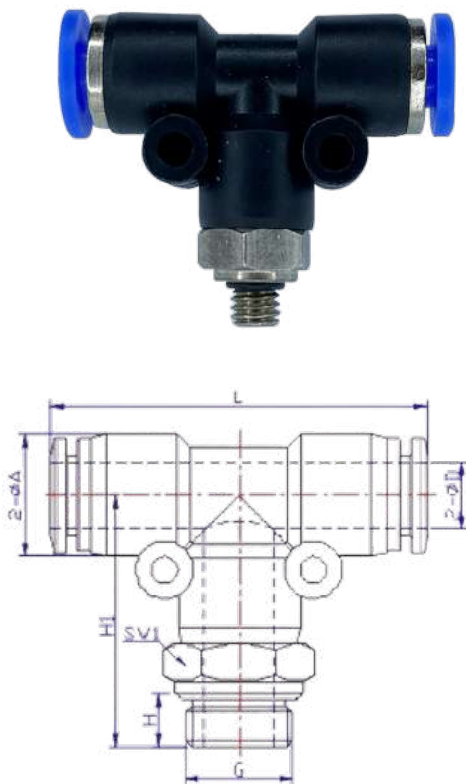


MODEL	D	R	H	L	A	SW1
APCF 04-G01	4	G 1/8	8.5	23.7	10	14
APCF 04-G02	4	G 1/4	11	26.2	10	17
APCF 06-G01	6	G 1/8	8.5	24.1	12	14
APCF 06-G02	6	G 1/4	11	26.6	12	17
APCF 06-G03	6	G 3/8	12	27.6	12	20
APCF 06-G04	6	G 1/2	14	29.6	12	24
APCF 08-G01	8	G 1/8	8.5	26.2	14	14
APCF 08-G02	8	G 1/4	11	28.7	14	17
APCF 08-G03	8	G 3/8	12	29.7	14	20
APCF 08-G04	8	G 1/2	14	31.7	14	24
APCF 10-G01	10	G 1/8	8.5	27.9	17	17
APCF 10-G02	10	G 1/4	11	31.4	17	17
APCF 10-G03	10	G 3/8	12	32.4	17	20
APCF 10-G04	10	G 1/2	14	34.4	17	24
APCF 12-G01	12	G 1/8	8.5	30.7	20	20
APCF 12-G02	12	G 1/4	11	33.7	20	20
APCF 12-G03	12	G 3/8	12	34.7	20	20
APCF 12-G04	12	G 1/2	14	36.7	20	24

**Managed Models**

MODELO	DESCRIPCIÓN
PCF-06-01	CONEXIÓN RECTA HEMBRA 6 MM A 1/8
PCF-06-02	CONEXIÓN RECTA HEMBRA 6 MM A 1/4
PCF-08-01	CONEXIÓN RECTA HEMBRA 8 MM A 1/8
PCF-08-02	CONEXIÓN RECTA HEMBRA 8 MM A 1/4
PCF-10-02	CONEXIÓN RECTA HEMBRA 10 MM A 1/4
PCF-1/4-01	CONEXIÓN RECTA HEMBRA 1/4 A 1/8
PCF-1/4-02	CONEXIÓN RECTA HEMBRA 1/4 A 1/4
PCF-5/16-02	CONEXIÓN RECTA HEMBRA 5/16 A 1/4
PCF-3/8-02	CONEXIÓN RECTA HEMBRA 3/8 A 1/4

**FITTINGS - MODEL APB**



MODEL	D	G	H	A	L	H1	SW1
APB 04-G01	4	G 1/8	5.5	11.3	37.6	25.5	14
APB 04-G02	4	G 1/4	7.5	11.3	37.6	28	17
APB 06-G01	6	G 1/8	5.5	13.3	38.6	26	14
APB 06-G02	6	G 1/4	7.5	13.3	38.6	28.5	17
APB 06-G03	6	G 3/8	7.5	13.3	38.6	29	20
APB 06-G04	6	G 1/2	10	13.3	38.6	31.5	24
APB 08-G01	8	G 1/8	5.5	15	45.6	29	14
APB 08-G02	8	G 1/4	7.5	15	45.6	31.5	17
APB 08-G03	8	G 3/8	7.5	15	45.6	32	20
APB 08-G04	8	G 1/2	10	15	45.6	34.5	24
APB 10-G01	10	G 1/8	5.5	18.7	57.4	34.5	17
APB 10-G02	10	G 1/4	7.5	18.7	57.4	36.5	17
APB 10-G03	10	G 3/8	7.5	18.7	57.4	37	20
APB 10-G04	10	G 1/2	10	18.7	57.4	39.5	24
APB 12-G01	12	G 1/8	5.5	21.3	59.6	36	21
APB 12-G02	12	G 1/4	7.5	21.3	59.6	38	21
APB 12-G03	12	G 3/8	7.5	21.3	59.6	38	21
APB 12-G04	12	G 1/2	10	21.3	59.6	40.5	24
APB 14-G03	14	G 3/8	7.5	23.5	62	39.5	22
APB 14-G04	14	G 1/2	10	23.5	62	43	24
APB 15-G03	15	G 3/8	7.5	26.5	65	42.5	24
APB 15-G04	15	G 1/2	10	26.5	65	44.5	24
APB 16-G03	16	G 3/8	7.5	26.5	65	42.5	24
APB 16-G04	16	G 1/2	10	26.5	65	44.5	24

**Managed Models**

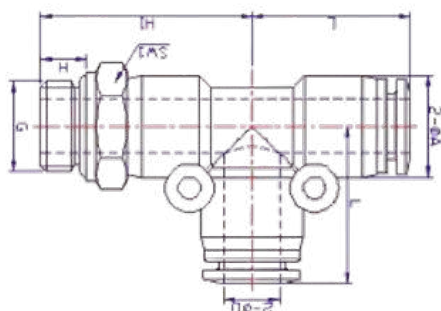
MODELO	DESCRIPCIÓN
PB-04-M5	CONEXIÓN T CENTRAL 4 MM A M5
PB-04-01	CONEXIÓN T CENTRAL 4 MM A 1/8
PB-04-02	CONEXIÓN T CENTRAL 4 MM A 1/4
PB-06-M5	CONEXIÓN T CENTRAL 6 MM A M5
PB-06-01	CONEXIÓN T CENTRAL 6 MM A 1/8
PB-06-02	CONEXIÓN T CENTRAL 6 MM A 1/4
PB-06-03	CONEXIÓN T CENTRAL 6 MM A 3/8
PB-06-04	CONEXIÓN T CENTRAL 6 MM A 1/2
PB-08-01	CONEXIÓN T CENTRAL 8 MM A 1/8
PB-08-02	CONEXIÓN T CENTRAL 8 MM A 1/4
PB-08-03	CONEXIÓN T CENTRAL 8 MM A 3/8
PB-08-04	CONEXIÓN T CENTRAL 8 MM A 1/2
PB-10-01	CONEXIÓN T CENTRAL 10 MM A 1/8
PB-10-02	CONEXIÓN T CENTRAL 10 MM A 1/4
PB-10-03	CONEXIÓN T CENTRAL 10 MM A 3/8
PB-10-04	CONEXIÓN T CENTRAL 10 MM A 1/2
PB-12-01	CONEXIÓN T CENTRAL 12 MM A 1/8

PB-12-02	CONEXIÓN T CENTRAL 12 MM A 1/4
PB-12-03	CONEXIÓN T CENTRAL 12 MM A 3/8
PB-12-04	CONEXIÓN T CENTRAL 12 MM A 1/2
PB-14-04	CONEXIÓN T CENTRAL 14 MM A 1/2
PB-16-04	CONEXIÓN T CENTRAL 16 MM A 1/2
PB-1/4-01	CONEXIÓN T CENTRAL 1/4 A 1/8
PB-1/4-02	CONEXIÓN T CENTRAL 1/4 A 1/4
PB-1/4-03	CONEXIÓN T CENTRAL 1/4 A 3/8
PB-1/4-04	CONEXIÓN T CENTRAL 1/4 A 1/2
PB-5/16-01	CONEXIÓN T CENTRAL 5/16 A 1/8
PB-5/16-02	CONEXIÓN T CENTRAL 5/16 A 1/4
PB-5/16-03	CONEXIÓN T CENTRAL 5/16 A 3/8
PB-5/16-04	CONEXIÓN T CENTRAL 5/16 A 1/2
PB-3/8-01	CONEXIÓN T CENTRAL 3/8 A 1/8
PB-3/8-02	CONEXIÓN T CENTRAL 3/8 A 1/4
PB-3/8-03	CONEXIÓN T CENTRAL 3/8 A 3/8
PB-3/8-04	CONEXIÓN T CENTRAL 3/8 A 1/2
PB-1/2-02	CONEXIÓN T CENTRAL 1/2 A 1/4
PB-1/2-03	CONEXIÓN T CENTRAL 1/2 A 3/8
PB-1/2-04	CONEXIÓN T CENTRAL 1/2 A 1/2

**FITTINGS - MODEL APD**



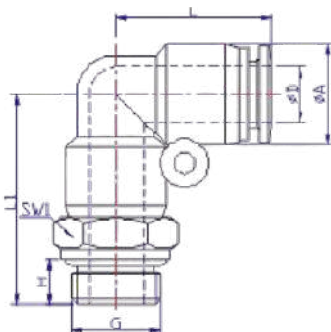
MODEL	D	G	H	A	L	H1	SW1
APD 06-G01	6	G1/8	5.5	13.3	19.3	26	14
APD 06-G02	6	G1/4	7.5	13.3	19.3	28.5	17
APD 08-G01	8	G1/8	5.5	15	22.8	29	14
APD 08-G02	8	G1/4	7.5	15	22.8	31.5	17



**Managed Models**

MODELO	DESCRIPCIÓN
PD-06-01	CONEXIÓN T LATERAL 6 MM A 1/8
PD-06-02	CONEXIÓN T LATERAL 6 MM A 1/4
PD-08-01	CONEXIÓN T LATERAL 8 MM A 1/8
PD-08-02	CONEXIÓN T LATERAL 8 MM A 1/2

**APL**



MODEL	D	G	H	A	L	L1	SW1
APL 04-G01	4	G 1/8	5.5	11.3	18.8	25.5	14
APL 04-G02	4	G 1/4	7.5	11.3	18.8	28	17
APL 06-G01	6	G 1/8	5.5	13.3	19.3	26	14
APL 06-G02	6	G 1/4	7.5	13.3	19.3	28.5	17
APL 06-G03	6	G 3/8	7.5	13.3	19.3	29	20
APL 06-G04	6	G 1/2	10	13.3	19.3	31.5	24
APL 08-G01	8	G 1/8	5.5	15	22.8	29	14
APL 08-G02	8	G 1/4	7.5	15	22.8	31.5	17
APL 08-G03	8	G 3/8	7.5	15	22.8	32	20
APL 08-G04	8	G 1/2	10	15	22.8	34.5	24
APL 10-G01	10	G 1/8	5.5	18.7	28	33.8	17
APL 10-G02	10	G 1/4	7.5	18.7	28	35.8	17
APL 10-G03	10	G 3/8	7.5	18.7	28	36.3	20
APL 10-G04	10	G 1/2	10	18.7	28	38.8	24
APL 12-G01	12	G 1/8	5.5	21.3	29.8	36	21
APL 12-G02	12	G 1/4	7.5	21.3	29.8	38	21
APL 12-G03	12	G 3/8	7.5	21.3	29.8	38	21
APL 12-G04	12	G 1/2	10	21.3	29.8	40.5	24
APL 14-G03	14	G 3/8	7.5	23.5	29.5	39.5	22
APL 14-G04	14	G 1/2	10	23.5	29.5	43	24
APL 15-G03	15	G 3/8	7.5	26.5	34	42.5	24
APL 15-G04	15	G 1/2	10	26.5	34	44.5	24
APL 16-G03	16	G 3/8	7.5	26.5	34	42.5	24
APL 16-G04	16	G 1/2	10	26.5	34	44.5	24



## Managed Models



MODELO	DESCRIPCIÓN
PL-03-M3	CONEXIÓN CODO 3 MM A M3
PL-03-M5	CONEXIÓN CODO 3 MM A M5
PL-04-M3	CONEXIÓN CODO 4 MM A M3
PL-04-M5	CONEXIÓN CODO 4 MM A M5
PL-04-M6	CONEXIÓN CODO 4 MM A M6
PL-04-1/16	CONEXIÓN CODO 4 MM A 1/16
PL-04-01	CONEXIÓN CODO 4 MM A 1/8
PL-04-02	CONEXIÓN CODO 4 MM A 1/4
PL-04-03	CONEXIÓN CODO 4 MM A 3/8
PL-06-M3	CONEXIÓN CODO 6 MM A M3
PL-06-M5	CONEXIÓN CODO 6 MM A M5
PL-06-M6	CONEXIÓN CODO 6 MM A M6
PL-06-01	CONEXIÓN CODO 6 MM A 1/8
PL-06-02	CONEXIÓN CODO 6 MM A 1/4
PL-06-03	CONEXIÓN CODO 6 MM A 3/8
PL-06-04	CONEXIÓN CODO 6 MM A 1/2
PL-08-01	CONEXIÓN CODO 8 MM A 1/8
PL-08-02	CONEXIÓN CODO 8 MM A 1/4
PL-08-03	CONEXIÓN CODO 8 MM A 3/8
PL-08-04	CONEXIÓN CODO 8 MM A 1/2
PL-10-01	CONEXIÓN CODO 10 MM A 1/8
PL-10-02	CONEXIÓN CODO 10 MM A 1/4
PL-10-03	CONEXIÓN CODO 10 MM A 3/8
PL-10-04	CONEXIÓN CODO 10 MM A 1/2
PL-12-01	CONEXIÓN CODO 12 MM A 1/8
PL-12-02	CONEXIÓN CODO 12 MM A 1/4
PL-12-03	CONEXIÓN CODO 12 MM A 3/8

PL-12-04	CONEXIÓN CODO 12 MM A 1/2
PL-14-04	CONEXIÓN CODO 14 MM A 1/2
PL-16-03	CONEXIÓN CODO 16 MM A 3/8
PL-16-04	CONEXIÓN CODO 16 MM A 1/2
PL-1/8-1/16	CONEXIÓN CODO 1/8 A 1/16
PL-1/8-1/8	CONEXIÓN CODO 1/8 A 1/8
PL-1/8-1/4	CONEXIÓN CODO 1/8 A 1/4
PL-3/16-01	CONEXIÓN CODO 3/16 A 1/8
PL-3/16-02	CONEXIÓN CODO 3/16 A 1/4
PL-1/4-U10	CONEXIÓN CODO 1/4 A 10/32
PL-1/4-1/16	CONEXIÓN CODO 1/4 A 1/16
PL-1/4-01	CONEXIÓN CODO 1/4 A 1/8
PL-1/4-02	CONEXIÓN CODO 1/4 A 1/4
PL-1/4-03	CONEXIÓN CODO 1/4 A 3/8
PL-1/4-04	CONEXIÓN CODO 1/4 A 1/2
PL-5/16-01	CONEXIÓN CODO 5/16 A 1/8
PL-5/16-02	CONEXIÓN CODO 5/16 A 1/4
PL-5/16-03	CONEXIÓN CODO 5/16 A 3/8
PL-5/16-04	CONEXIÓN CODO 5/16 A 1/2
PL-3/8-01	CONEXIÓN CODO 3/8 A 1/8
PL-3/8-02	CONEXIÓN CODO 3/8 A 1/4
PL-3/8-03	CONEXIÓN CODO 3/8 A 3/8
PL-3/8-04	CONEXIÓN CODO 3/8 A 1/2
PL-1/2-01	CONEXIÓN CODO 1/2 A 1/8
PL-1/2-02	CONEXIÓN CODO 1/2 A 1/4
PL-1/2-03	CONEXIÓN CODO 1/2 A 3/8
PL-1/2-04	CONEXIÓN CODO 1/2 A 1/2

## FITTINGS - MODEL APX

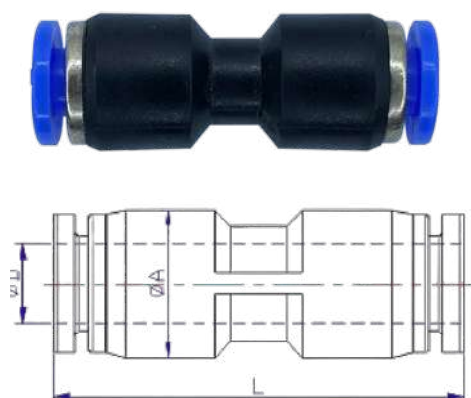


MODEL	D	R	H	A	L	J	d	K	SW1
APX 04-M5	4	M5	3.5	11.3	39.3	11	3.2	14.3	10
APX 04-M6	4	M6	4	11.3	39.8	11	3.2	14.3	10
APX 04-01	4	R 1/8	7.5	11.3	42.3	11	3.2	14.3	10
APX 04-02	4	R 1/4	9.5	11.3	45.3	11	3.2	14.3	14
APX 04-03	4	R 3/8	10.5	11.3	46.8	11	3.2	14.3	17
APX 06-M5	6	M5	3.5	13.3	40.8	13	3.2	14.8	12
APX 06-M6	6	M6	4	13.3	41.3	13	3.2	14.8	12
APX 06-01	6	R 1/8	7.5	13.3	43.8	13	3.2	14.8	12
APX 06-02	6	R 1/4	9.5	13.3	46.3	13	3.2	14.8	14
APX 06-03	6	R 3/8	10.5	13.3	47.8	13	3.2	14.8	17
APX 06-04	6	R 1/2	13.5	13.3	51.3	13	3.2	14.8	21
APX 08-01	8	R 1/8	7.5	15	47.1	15	3.2	18.2	14
APX 08-02	8	R 1/4	9.5	15	49.1	15	3.2	18.2	14
APX 08-03	8	R 3/8	10.5	15	50.6	15	3.2	18.2	17
APX 08-04	8	R 1/2	13.5	15	54.1	15	3.2	18.2	21
APX 10-01	10	R 1/8	7.5	18.7	56.7	18	4.2	21.2	17
APX 10-02	10	R 1/4	9.5	18.7	58.7	18	4.2	21.2	17
APX 10-03	10	R 3/8	10.5	18.7	59.7	18	4.2	21.2	17
APX 10-04	10	R 1/2	13.5	18.7	63.2	18	4.2	21.2	21
APX 12-01	12	R 1/8	7.5	21.3	59.8	21	4.2	21.8	21
APX 12-02	12	R 1/4	9.5	21.3	62.3	21	4.2	21.8	21
APX 12-03	12	R 3/8	10.5	21.3	63.3	21	4.2	21.8	21
APX 12-04	12	R 1/2	13.5	21.3	66.3	21	4.2	21.8	21

## Managed Models

MODELO	DESCRIPCIÓN
PX-06-01	CONEXIÓN Y CENTRAL 6 MM A 1/8
PX-06-02	CONEXIÓN Y CENTRAL 6 MM A 1/4
PX-08-01	CONEXIÓN Y CENTRAL 8 MM A 1/8
PX-08-02	CONEXIÓN Y CENTRAL 8 MM A 1/4
PX-10-02	CONEXIÓN Y CENTRAL 10 MM A 1/4
PX-1/4-01	CONEXIÓN Y CENTRAL 1/4 A 1/8
PX-1/4-02	CONEXIÓN Y CENTRAL 1/4 A 1/4
PX-5/16-01	CONEXIÓN Y CENTRAL 5/16 A 1/8
PX-5/16-02	CONEXIÓN Y CENTRAL 5/16 A 1/4
PX-3/8-01	CONEXIÓN Y CENTRAL 3/8 A 1/8
PX-3/8-02	CONEXIÓN Y CENTRAL 3/8 A 1/4
PX-3/8-03	CONEXIÓN Y CENTRAL 3/8 A 3/8

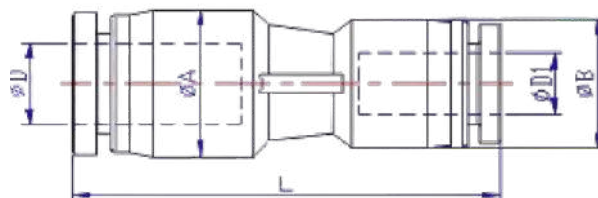
## APU



MODEL	D	A	L
APU 04	4	11.3	33.6
APU 06	6	13	35.1
APU 08	8	15	39.1
APU 10	10	18.7	48.6
APU 12	12	21.3	49.6
APU 14	14	23.5	51
APU 15	15	26.5	50.5
APU 16	16	26.5	50.5

MODELO	DESCRIPCIÓN
PU04	UNIÓN MANGUERA 4 MM
PU06	UNIÓN MANGUERA 6 MM
PU08	UNIÓN MANGUERA 8 MM
PU10	UNIÓN MANGUERA 10 MM
PU12	UNIÓN MANGUERA 12 MM
PU14	UNIÓN MANGUERA 14 MM
PU16	UNIÓN MANGUERA 16 MM
PU-1/8	UNIÓN MANGUERA 1/8
PU-3/16	UNIÓN MANGUERA 3/16
PU-1/4	UNIÓN MANGUERA 1/4
PU-5/16	UNIÓN MANGUERA 5/16
PU-3/8	UNIÓN MANGUERA 3/8
PU-1/2	UNIÓN MANGUERA 1/2

**FITTINGS - MODEL APG**



MODEL	D	D1	A	B	L
APG 06-04	6	4	13	11.3	34
APG 08-04	8	4	14.5	13	37
APG 08-06	8	6	14.5	13	37
APG 10-06	10	6	18.7	14.5	43
APG 10-08	10	8	18.7	14.5	43
APG 12-06	12	9	21.3	18.7	47.5
APG 12-08	12	8	21.3	18.7	48
APG 12-10	12	10	21.3	18.7	48
APG 14-12	14	12	23.5	23.5	50.5
APG 16-12	16	12	26.5	26.5	50.5
APG 16-14	16	14	26.5	26.5	51

**Managed Models**

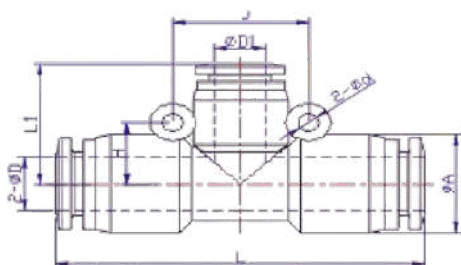
MODELO	DESCRIPCIÓN
PG-06-04	REDUCCIÓN MANGUERA 6 A 4 MM
PG-08-06	REDUCCIÓN MANGUERA 8 A 6 MM
PG-08-04	REDUCCIÓN MANGUERA 8 A 4 MM
PG-10-06	REDUCCIÓN MANGUERA 10 A 6 MM
PG-10-08	REDUCCIÓN MANGUERA 10 A 8 MM
PG-12-08	REDUCCIÓN MANGUERA 12 A 8 MM
PG-12-10	REDUCCIÓN MANGUERA 12 A 10 MM
PG-14-12	REDUCCIÓN MANGUERA 14 A 12 MM
PG-16-12	REDUCCIÓN MANGUERA 16 A 12 MM
PG-16-14	REDUCCIÓN MANGUERA 16 A 14 MM
PG-5/16-1/4	REDUCCIÓN MANGUERA 5/16 A 1/4
PG-1/4-5/32	REDUCCIÓN MANGUERA 1/4 A 5/32
PG-1/4-1/8	REDUCCIÓN MANGUERA 1/4 A 1/8
PG-5/32-1/8	REDUCCIÓN MANGUERA 5/32 A 1/8
PG-3/8-5/16	REDUCCIÓN MANGUERA 3/8 A 5/16
PG-3/8-1/4	REDUCCIÓN MANGUERA 3/8 A 1/4
PG-1/2-1/4	REDUCCIÓN MANGUERA 1/2 A 1/4
PG-1/2-3/8	REDUCCIÓN MANGUERA 1/2 A 3/8

**FITTINGS - MODEL APEG**



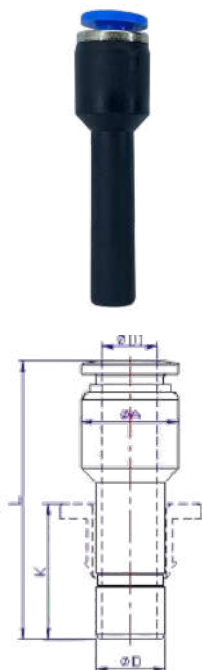
MODEL	D	D1	A	L	L1	d	J	H
APEG 06-04	6	4	13.3	38.6	19.3	3.2	16	8
APEG 08-04	8	4	15	45.6	22.3	3.2	18	9
APEG 08-06	8	6	15	45.6	22.3	3.2	18	9
APEG 10-06	10	6	18.7	57.4	27.3	4.2	24	12
APEG 10-08	10	8	18.7	57.4	27.8	4.2	24	12
APEG 12-06	12	6	21.3	59.6	28.3	4.2	27	13.5
APEG 12-08	12	8	21.3	59.6	28.8	4.2	27	13.5
APEG 12-10	12	10	21.3	59.6	29.7	4.2	27	13.5
APEG 14-12	14	12	23.5	61	30	5.2	29.5	14.75
APEG 16-12	16	12	26.5	65	32.5	5.2	30	15
APEG 16-14	16	14	26.5	65	32.5	5.2	30	15

**Managed Models**



MODELO	DESCRIPCIÓN
PEG-08-06	UNIÓN T MANGUERA 8 A 6 MM
PEG-10-08	UNIÓN T MANGUERA 10 A 8 MM
PEG-12-10	UNIÓN T MANGUERA 12 A 10 MM
PGE-06-04	UNIÓN T MANGUERA 6 A 4 MM
PGE-08-06	UNIÓN T MANGUERA 8 A 6 MM
PGE-10-08	UNIÓN T MANGUERA 10 A 8 MM
PGE-12-10	UNIÓN T MANGUERA 12 A 10 MM

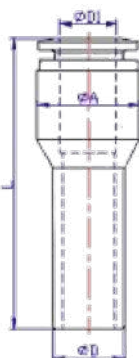
**APGJ**



MODEL	D	D1	A	L	K
APGJ 06-04	6	4	10	34.3	13
APGJ 08-04	8	4	10	33.3	14
APGJ 08-06	8	6	12	35.6	14
APGJ 10-06	10	6	12	37.1	17
APGJ 10-08	10	8	14	40.7	17
APGJ 12-06	12	6	13.5	39.1	19
APGJ 12-08	12	8	14	41.7	19
APGJ 12-10	12	10	17	46.5	19

MODELO	DESCRIPCIÓN
PPGJ-06-04	REDUCCIÓN TUBING DE 6 A 4 MM
PPGJ-08-06	REDUCCIÓN TUBING DE 8 A 6 MM
PPGJ-08-04	REDUCCIÓN TUBING DE 8 A 4 MM
PPGJ-10-08	REDUCCIÓN TUBING DE 10 A 8 MM
PPGJ-10-06	REDUCCIÓN TUBING DE 10 A 6 MM
PPGJ-12-10	REDUCCIÓN TUBING DE 12 A 10 MM

**FITTINGS - MODEL PPGJ**

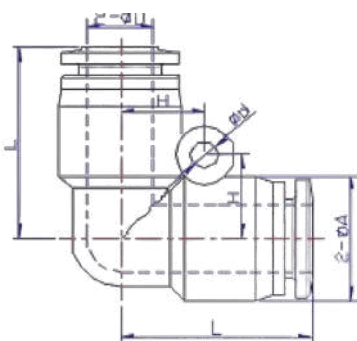


MODEL	D	D1	A	L
PPGJ 06-04	6	4	11	36.5
PPGJ 08-04	8	4	11	36.5
PPGJ 08-06	8	6	13	39
PPGJ 10-06	10	6	13	38.5
PPGJ 10-08	10	8	14.5	44
PPGJ 12-06	12	6	13	39.5
PPGJ 12-08	12	8	14.5	43
PPGJ 12-10	12	10	18.5	50

**Managed Models**

MODELO	DESCRIPCIÓN
PGJ-06-04	REDUCCIÓN TUBING DE 6 A 4 MM
PGJ-08-06	REDUCCIÓN TUBING DE 8 A 6 MM
PGJ-10-08	REDUCCIÓN TUBING DE 10 A 8 MM
PGJ-12-10	REDUCCIÓN TUBING DE 12 A 10 MM
PGJ-5/16-1/4	REDUCCIÓN TUBING DE 5/16 A 1/4
PGJ-3/8-5/16	REDUCCIÓN TUBING DE 3/8 A 5/16
PGJ-1/2-3/8	REDUCCIÓN TUBING DE 1/2 A 3/8

**APV**

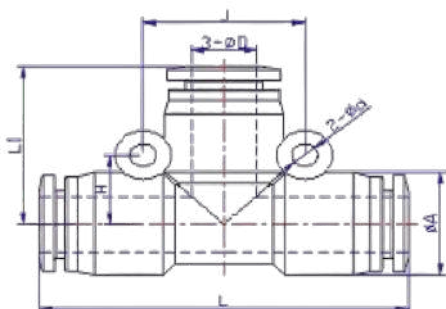


MODEL	D	D1	A	L	K
APV 04	4	11.3	18.8	3.2	7
APV 06	6	13.3	19.3	3.2	8
APV 08	8	15	22.8	3.2	10
APV 10	10	18.7	28	4.2	12
APV 12	12	21.3	29.8	4.2	13.5
APV 14	14	23.5	31	5.2	15
APV 15	15	26.5	33.5	5.2	15
APV 16	16	26.5	33.5	5.2	15

**Managed Models**

MODELO	DESCRIPCIÓN
PV04	UNIÓN CODO MANGUERA 4 MM
PV06	UNIÓN CODO MANGUERA 6 MM
PV08	UNIÓN CODO MANGUERA 8 MM
PV10	UNIÓN CODO MANGUERA 10 MM
PV12	UNIÓN CODOMANGUERA 12 MM
PV14	UNIÓN CODOMANGUERA 14 MM
PV16	UNIÓN CODO MANGUERA 16 MM
PV-1/4	UNIÓN CODO MANGUERA 1/4
PV-5/16	UNIÓN CODO MANGUERA 5/16
PV-3/8	UNIÓN CODO MANGUERA 3/8
PV-1/2	UNIÓN CODO MANGUERA 1/2

**FITTINGS - MODEL PPGJ**

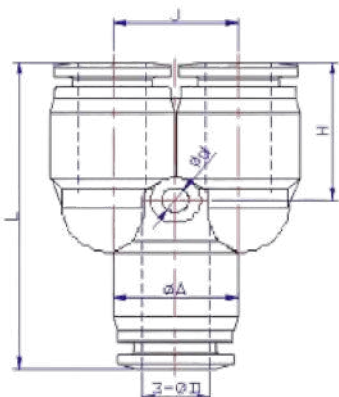


MODEL	D	A	L	L1	d	J	H
APE 04	4	11.3	37.6	18.8	3.2	14	7
APE 06	6	13.3	38.6	19.3	3.2	16	8
APE 08	8	15	45.6	22.8	3.2	18	9
APE 10	10	18.7	57.4	28.7	4.2	24	12
APE 12	12	21.3	59.6	29.8	4.2	27	13.5
APE 14	14	23.5	61	30.5	5.2	29.5	14.75
APE 15	15	26.5	65	32.5	5.2	30	15
APE 16	16	26.5	65	32.5	5.2	30	15

**Managed Models**

MODELO	DESCRIPCIÓN
PE-04	UNIÓN T MANGUERA 4 MM
PE-06	UNIÓN T MANGUERA 6 MM
PE-08	UNIÓN T MANGUERA 8 MM
PE-10	UNIÓN T MANGUERA 10 MM
PE-12	UNIÓN T MANGUERA 12 MM
PE-14	UNIÓN T MANGUERA 14 MM
PE-16	UNIÓN T MANGUERA 16 MM
PE-1/8	UNIÓN T MANGUERA 1/8
PE-3/16	UNIÓN T MANGUERA 3/16
PE-1/4	UNIÓN T MANGUERA 1/4
PE-5/16	UNIÓN T MANGUERA 5/16
PE-3/8	UNIÓN T MANGUERA 3/8
PE-1/2	UNIÓN T MANGUERA 1/2

**APY**



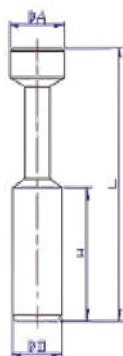
MODEL	D	A	L	d	J	H
APY 04	4	11.3	36.1	3.2	11	14.3
APY 06	6	13.3	37.1	3.2	13	14.8
APY 08	8	15	40.4	3.2	15	18.2
APY 10	10	18.7	50.4	4.2	18	21.2
APY 12	12	21.3	53.6	4.2	21	21.8
APY 14	14	23.5	57	4.2	23	21.5
APY 15	15	26.5	58.5	4.2	25	22.5
APY 16	16	26.5	58.5	4.2	25	22.5

**Managed Models**

MODELO	DESCRIPCIÓN
PY-04	UNIÓN Y MANGUERA 4 MM
PY-06	UNIÓN Y MANGUERA 6 MM
PY-08	UNIÓN Y MANGUERA 8 MM
PY-10	UNIÓN Y MANGUERA 10 MM
PY-12	UNIÓN Y MANGUERA 12 MM
PY-1/4	UNIÓN Y MANGUERA 1/4
PY-5/16	UNIÓN Y MANGUERA 5/16
PY-3/8	UNIÓN Y MANGUERA 3/8
PY-1/2	UNIÓN Y MANGUERA 1/2



**FITTINGS - MODEL APP**

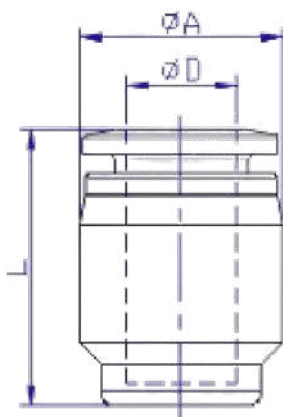


MODEL	D	A	H	L
APP 04	4	5	15	28
APP 06	6	7	17	33
APP 08	8	9	18	37
APP 10	10	11	20.5	42
APP 12	12	13	23	44

**Managed Models**

MODELO	DESCRIPCIÓN
PP-04	TAPÓN 4 MM
PP-06	TAPÓN 6 MM
PP-08	TAPÓN 8 MM
PP-10	TAPÓN 10 MM
PP-12	TAPÓN 12 MM
PP-1/4	TAPÓN 1/4
PP-5/16	TAPÓN 5/16
PP-3/8	TAPÓN 3/8
PP-1/2	TAPÓN 1/2

**APPF**



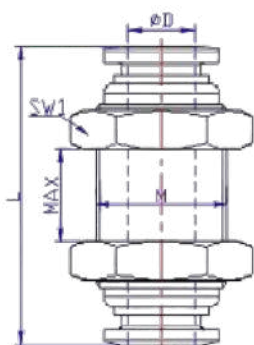
MODEL	D	A	L
APPF 04	4	11.3	17.5
APPF 06	6	13.3	17.7
APPF 08	8	15	21.5
APPF 10	10	18.7	25
APPF 12	12	21.3	26

**Managed Models**

MODELO	DESCRIPCIÓN
PPF-04	TAPÓN MANGUERA 4 MM
PPF-06	TAPÓN MANGUERA 6 MM
PPF-08	TAPÓN MANGUERA 8 MM
PPF-10	TAPÓN MANGUERA 10 MM
PPF-12	TAPÓN MANGUERA 12 MM
PPF-1/4	TAPÓN HEMBRA 1/4
PPF-5/16	TAPÓN HEMBRA 5/16
PPF-3/8	TAPÓN HEMBRA 3/8
PPF-1/2	TAPÓN HEMBRA 1/2



**FITTINGS – MODEL APM**

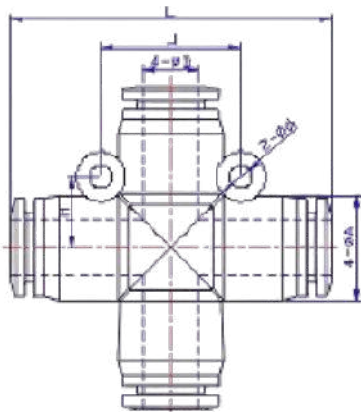


MODEL	D	L	M	MAX	SW1
APM 04	4	30.1	M12X1	13	14
APM 06	6	31.2	M14X1	12.5	17
APM 08	8	34.9	M16X1	12.5	19
APM 10	10	40	M20X1	13.5	24
APM 12	12	45	M22X1	19	26
APM 16	16	51	M26X1	23	29

**Managed Models**

MODELO	DESCRIPCIÓN
PM-04	PASAMUROS 4 MM
PM-06	PASAMUROS 6 MM
PM-08	PASAMUROS 8 MM
PM-10	PASAMUROS 10 MM
PM-12	PASAMUROS 12 MM
PMM-1/4	PASAMUROS 1/4
PMM-5/16	PASAMUROS 5/16
PMM-3/8	PASAMUROS 3/8
PMM-1/2	PASAMUROS 1/2

**APZ**



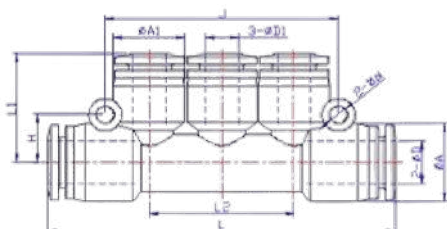
MODEL	D	A	L	d	J	H
APZ 04	4	11.3	37.6	3.2	14	7
APZ 06	6	13.3	38.6	3.2	16	8
APZ 08	8	15	45.6	3.2	18	9
APZ 10	10	18.7	57.4	4.2	24	12
APZ 12	12	21.3	59.6	4.2	27	13.5

**Managed Models**

MODELO	DESCRIPCIÓN
PZA-04	UNIÓN CRUZ MANGUERA 4 MM
PZA-06	UNIÓN CRUZ MANGUERA 6 MM
PZA-08	UNIÓN CRUZ MANGUERA 8 MM
PZA-10	UNIÓN CRUZ MANGUERA 10 MM
PZA-1/4	UNIÓN CRUZ MANGUERA 1/4
PZA-5/16	UNIÓN CRUZ MANGUERA 5/16
PZA-3/8	UNIÓN CRUZ MANGUERA 3/8

**FITTINGS - MODEL APM**


MODEL	D	D1	A	A1	L	L1	L2	J	H	d
APK 04	4	4	13.3	11.3	57.6	19	22	36	9	3.2
APK 06	6	6	15	13.3	61.6	20.5	26	42	10	3.2
APK 08	8	8	18.7	15	81.6	24	30	48	13	4.2
APK 10	10	10	21.3	18.7	93.4	28.5	36	60.5	14	4.2
APK 06-04	6	4	13.3	11.3	57.6	19	22	36	9	3.2
APK 08-04	8	4	15	13.3	61.6	20.5	26	42	10	3.2
APK 08-06	8	6	15	13.3	61.6	20.5	26	42	10	3.2
APK 10-06	10	6	18.7	15	83.4	23.5	30	48	13	4.2
APK 10-08	10	8	18.7	15	83.4	24	30	48	13	4.2

**Managed Models**


MODELO	DESCRIPCIÓN
PK-06	DISTRIBUIDOR MANGUERA 6 MM
PK-08	DISTRIBUIDOR MANGUERA 8 MM
PK-10	DISTRIBUIDOR MANGUERA 10 MM

## HAND VALVES

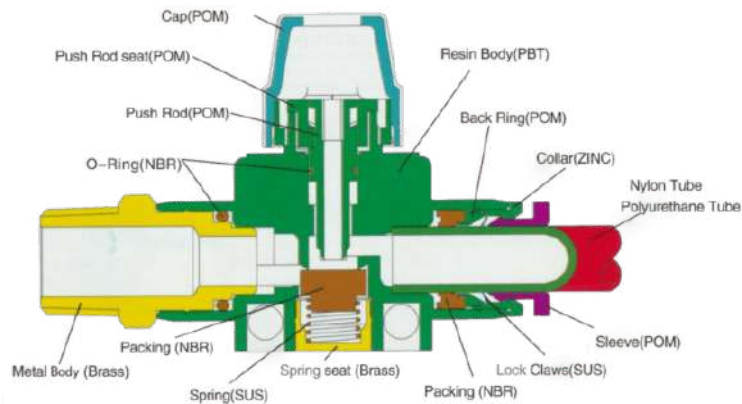
### Application

- Used for turning air pressure on and off for pneumatic devices

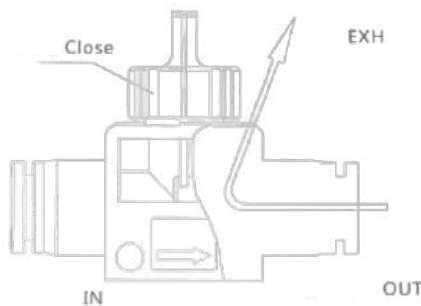
### Features

- The three-way valve, when the air is stopped, discharges residual pressure to the outlet, which assures safety in repairing or adjusting connected devices.
- The two-way valve dose not discharge residual pressure.
- The two-way valve have no air discharge function. There are four types of hand valves for choosing.

### Features



### Three-way valves



The three-way valve, when the air is stopped, discharges residual pressures to the outlet, which assures safety in repairing or adjusting outlet connected devices.

The two-way valve dose not discharge residual pressure, and suitable for the tank or other device that does not require a discharging residual pressure.

B: TWO WAY

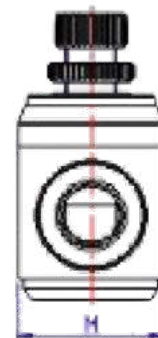
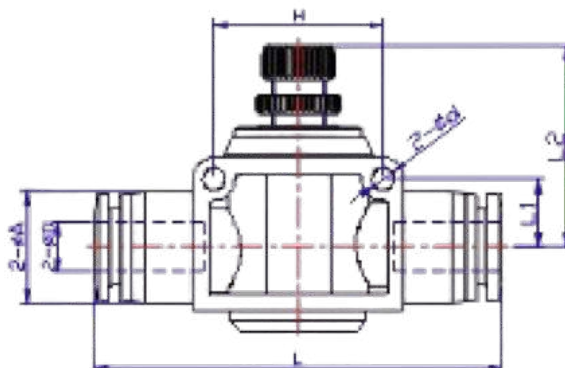
BLANK: THREE WAY

When you order Two-Way hand valve, please put B after model type.

For example: HVFF06-06B

Specifications	
Fluid	Air (no other gases or liquids)
Operating Pressure	0 — 1.0 MPa (150 psi)
Negative Pressure	—100 KPa (—29.5 in. Hg)
Operating Temperature	0 — 60 °C (32 — 140 °F)
ApplicableTube	Polyurethane and Nylon

**HAND VALVES MODEL - PA**



D	A	L	L1	L2	H	d
4	11.3	40.5	6.5	22.5	14	3.2
6	13.3	48.5	8.5	34	20	4.3
8	15	52	9.5	34.5	22	4.3
10	18.7	64	10.5	40	26	4.3
12	21.3	74	13	40.5	32	4.3

**Managed Models**



MODELO	DESCRIPCIÓN
PA04	REGULADOR FLUJO 4 MM
PA06	REGULADOR FLUJO 6 MM
PA08	REGULADOR FLUJO 8 MM
PA10	REGULADOR FLUJO 10 MM
PA12	REGULADOR FLUJO 12 MM
PA-1/4	REGULADOR FLUJO 1/4
PA-5/16	REGULADOR FLUJO 5/16
PA-3/8	REGULADOR FLUJO 3/8
PA-1/2	REGULADOR FLUJO 1/2

## SPEED CONTROLS

### Features

- Used to control the speed of the working equipment
- Because of the resin body and metal body rotation lead to the direction is free

### Warning

When the needle opened slowly from the “completely closed”, it is dangerous because the actuator may be sudden “come out” while adjusting of the needle in case of it is opened.

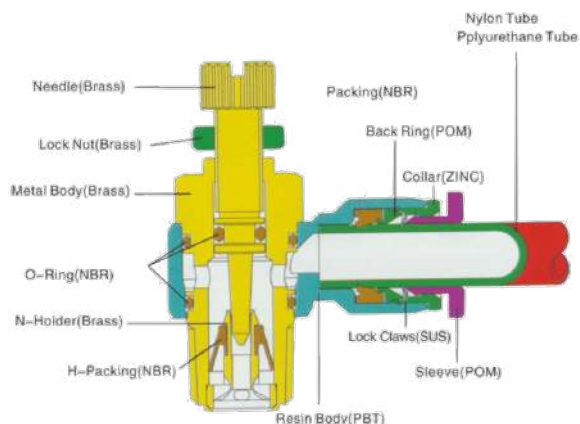
It should be operating in secure, Clockwise to “off”, counterclockwise to “on” Don't swing or rotate the products forcibly, it may result in damage or cause leakage.

### Note

To a certain extent, the few air leakage of Speed Control is allowed when it is in a completely closed situation because of it is design.

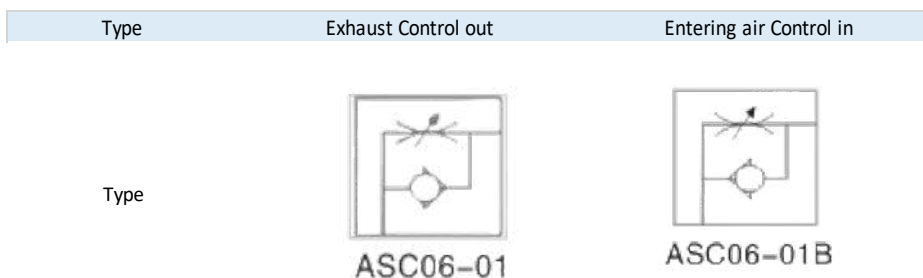
Please don't use it in the environment required no air leakage.

### STRUCTURE CHART



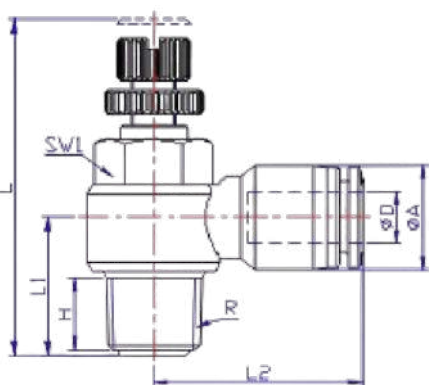
Specifications	
Fluid	Air (no other gases or liquids)
Operating Pressure	0 — 1.0 MPa (150 psi)
Max pressure	1.5 MPa (225 psi)
Operating Temperature	0 — 60 °C (32 — 140 °F)
ApplicableTube	Polyurethane and Nylon

### CONTROL WAY



When you order control in type, please put B at the end of model type. For example, ASC06-01B

**SPEED CONTROLS MODEL - ASC**



MODEL	D	R	H	A	L	L1	L2	SW1
ASC 04-M5(B)	4	M5	3.5	11.3	32	12	20.5	8
ASC 04-01(B)	4	R1/8	6.4	11.3	42	14	23.5	12
ASC 04-02(B)	4	R1/4	10	11.3	48	18	25.5	14
ASC 06-M5(B)	6	M5	3.5	13.3	32	12	22	8
ASC 06-01(B)	6	R1/8	6.4	13.3	42	14	23.5	12
ASC 06-02(B)	6	R1/4	10	13.3	48	18	25.4	14
ASC 06-03(B)	6	R3/8	11.4	13.3	53	20.5	29.5	19
ASC 06-04(B)	6	R1/2	14	13.3	61	25.5	32.5	24
ASC 08-01(B)	8	R1/8	6.4	15	42	14.5	26.5	12
ASC 08-02(B)	8	R1/4	10	15	48	19	29	14
ASC 08-03(B)	8	R3/8	11.4	15	53	20.5	29.5	19
ASC 08-04(B)	8	R1/2	14	15	61	25.5	32.5	24
ASC 10-01(B)	10	R1/8	6.4	18.7	42	17.5	30.3	12
ASC 10-02(B)	10	R1/4	10	18.7	48	20	32.6	14
ASC 10-03(B)	10	R3/8	11.4	18.7	53	22.5	33	19
ASC 10-04(B)	10	R1/2	14	18.7	61	25.5	36	24
ASC 12-01(B)	12	R1/8	6.4	21.3	42	18.5	31	12
ASC 12-02(B)	12	R1/4	10	21.3	48	20	33.5	14
ASC 12-03(B)	22	R3/8	11.4	21.3	53	24	35.5	19
ASC 12-04(B)	12	R1/2	14	21.3	61	30	36.5	24

**Managed Models**

MODELO	DESCRIPCIÓN
JSC04-M5	REGULADOR FLUJO 4 MM A M5
JSC04-01	REGULADOR FLUJO 4 MM A 1/8
JSC04-02	REGULADOR FLUJO 4 MM A 1/4
JSC06-M5	REGULADOR FLUJO 6 MM A M5
JSC06-01	REGULADOR FLUJO 6 MM A 1/8
JSC06-02	REGULADOR FLUJO 6 MM A 1/4
JSC06-03	REGULADOR FLUJO 6 MM A 3/8
JSC06-04	REGULADOR FLUJO 6 MM A 1/2
JSC08-01	REGULADOR FLUJO 8 MM A 1/8
JSC08-02	REGULADOR FLUJO 8 MM A 1/4
JSC08-03	REGULADOR FLUJO 8 MM A 3/8
JSC08-04	REGULADOR FLUJO 8 MM A 1/2
JSC10-01	REGULADOR FLUJO 10 MM A 1/8
JSC10-02	REGULADOR FLUJO 10 MM A 1/4
JSC10-03	REGULADOR FLUJO 10 MM A 3/8
JSC10-04	REGULADOR FLUJO 10 MM A 1/2
JSC12-02	REGULADOR FLUJO 12 MM A 1/4
JSC12-03	REGULADOR FLUJO 12 MM A 3/8

JSC-1/4-U10	REGULADOR FLUJO 1/4 A U10
JSC-1/4-N01	REGULADOR FLUJO 1/4 A 1/8
JSC-1/4-N02	REGULADOR FLUJO 1/4 A 1/4
JSC-1/4-N03	REGULADOR FLUJO 1/4 A 3/8
JSC-1/4-N04	REGULADOR FLUJO 1/4 A 1/2
JSC-5/16-N01	REGULADOR FLUJO 5/16 A 1/8
JSC-5/16-N02	REGULADOR FLUJO 5/16 A 1/4
JSC-5/16-N03	REGULADOR FLUJO 5/16 A 3/8
JSC-5/16-N04	REGULADOR FLUJO 5/16 A 1/2
JSC-3/8-N01	REGULADOR FLUJO 3/8 A 1/8
JSC-3/8-N02	REGULADOR FLUJO 3/8 A 1/4
JSC-3/8-N03	REGULADOR FLUJO 3/8 A 3/8
JSC-3/8-N04	REGULADOR FLUJO 3/8 A 1/2
JSC-1/2-N02	REGULADOR FLUJO 1/2 A 1/4
JSC-1/2-N03	REGULADOR FLUJO 1/2 A 3/8
JSC-1/2-N04	REGULADOR FLUJO 1/2 A 1/2
AS221F-01-06	REGULADOR FLUJO 6 MM A 1/8

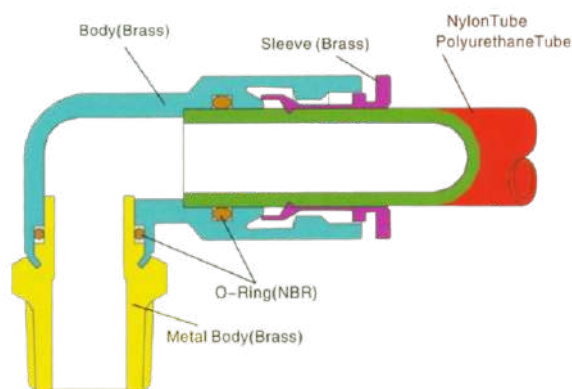
## METAL ONE – TOUCH FITTINGS

### Features

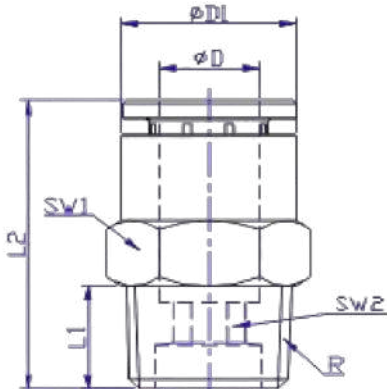
- It's made of copper pneumatic piping joints.
- Not only the body but also the sleeve, both of them are made from copper, which is good for flame resistance, heat resistance and splash performance.

### Features

Specifications	
Operating Temperature	- 20 ~+ 80 °C
Operating Pressure	0 – 1.5 Mpa
Fluid	Air, Vacuum
Applicable Tube	Polyurethane and Nylon



### MPC

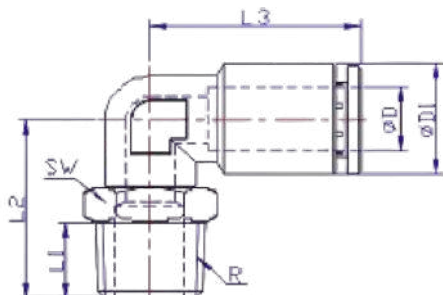


MODEL	D	R	L1	L2	D1	SW1	SW2
MPC 04-M3	4	M3	3.5	19	8	8	
MPC 04-M5	4	M5	3.5	19.5	8	8	2
MPC 04-M6	4	M6	4	20	8	8	2
MPC 04-01	6	R 1/8	7.5	18	8.8	10	3
MPC 04-02	6	R 1/4	9.5	18	8.8	14	3
MPC 04-03	6	R 3/8	10.5	19.5	8.8	17	3
MPC 06-M5	6	M5	3.5	24	12	12	2
MPC 06-M6	6	M6	4	24.5	12	12	2
MPC 06-01	6	R 1/8	7.5	24	12	12	4
MPC 06-02	6	R 1/4	9.5	22	12	14	4
MPC 06-03	6	R 3/8	10.5	22	12	17	4
MPC 06-04	6	R 1/2	13.5	25.5	12	21	4
MPC 08-01	8	R 1/8	7.5	28.5	14	14	5
MPC 08-02	8	R 1/4	9.5	26.5	14	14	6
MPC 08-03	8	R 3/8	10.5	23	14	17	6
MPC 08-04	8	R 1/2	13.5	25.5	14	21	6
MPC 10-01	10	R 1/8	7.5	31	16	16	5
MPC 10-02	10	R 1/4	9.5	30	16	16	6
MPC 10-03	10	R 3/8	10.5	26.5	16	17	
MPC 10-04	10	R 1/2	13.5	25.5	16	21	8
MPC 12-01	12	R 1/8	7.5	32.5	18	19	8
MPC 12-02	12	R 1/4	9.5	33.5	18	19	6
MPC 12-03	12	R 3/8	10.5	30.5	18	19	8
MPC 12-04	12	R 1/2	13.5	26	18	21	8
MPC 14-03	14	R 3/8	10.5	43.5	21	21	
MPC 14-04	14	R 1/2	13.5	38	21	21	
MPC 16-03	16	R 3/8	10.5	43.5	23	24	
MPC 16-04	16	R 1/2	13.5	43.5	23	24	

MODELO	DESCRIPCIÓN
BPC-06-01	CONEXIÓN RECTA METÁLICA 6 MM A 1/8
BPC-06-02	CONEXIÓN RECTA METÁLICA 6 MM A 1/4
BPC-08-01	CONEXIÓN RECTA METÁLICA 8 MM A 1/8
BPC-08-02	CONEXIÓN RECTA METÁLICA 8 MM A 1/4
BPC-10-01	CONEXIÓN RECTA METÁLICA 10 MM A 1/8
BPC-10-02	CONEXIÓN RECTA METÁLICA 10 MM A 1/4
BPC-1/4-N01	CONEXIÓN RECTA METÁLICA 1/4 A 1/8
BPC-1/4-N02	CONEXIÓN RECTA METÁLICA 1/4 A 1/4
BPC-1/4-N03	CONEXIÓN RECTA METÁLICA 1/4 A 3/8
BPC-3/8-N02	CONEXIÓN RECTA METÁLICA 3/8 A 1/4
BPC-3/8-N03	CONEXIÓN RECTA METÁLICA 3/8 A 3/8
BPC-1/2-N02	CONEXIÓN RECTA METÁLICA 1/2 A 1/4
BPC-1/2-N03	CONEXIÓN RECTA METÁLICA 1/2 A 3/8
BPC-1/2-N04	CONEXIÓN RECTA METÁLICA 1/2 A 1/2



**METAL ONE — TOUCH FITTINGS MODEL MPL**

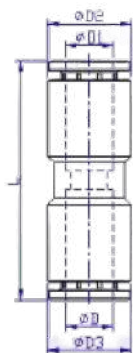


MODEL	D	R	L1	L2	L3	D1	SW
MPL 04-M3	4	M3	3.5	16	17.5	8.8	10
MPL 04-M5	4	M5	3.5	16	17.5	8.8	10
MPL 04-M6	4	M6	4	16.5	17.5	8.8	10
MPL 04-01	4	R 1/8	7.5	19.5	17.5	8.8	10
MPL 04-02	4	R 1/4	9.5	21.5	17.5	8.8	14
MPL 04-03	4	R 3/8	10.5	23.5	17.5	8.8	17
MPL 06-M5	6	M5	3.5	16	23.5	12	10
MPL 06-M6	6	M6	4	16.5	23.5	12	10
MPL 06-01	6	R 1/8	7.5	19.5	23.5	12	10
MPL 06-02	6	R 1/4	9.5	21.5	23.5	12	14
MPL 06-03	6	R 3/8	10.5	23.5	23.5	12	17
MPL 06-04	6	R 1/2	13.5	26.5	23.5	12	21
MPL 08-01	8	R 1/8	7.5	21	25.5	14	12
MPL 08-02	8	R 1/4	9.5	23	25.5	14	14
MPL 08-03	8	R 3/8	10.5	24.5	25.5	14	17
MPL 08-04	8	R 1/2	13.5	27.5	25.5	14	21
MPL 10-01	10	R 1/8	7.5	22.5	29	16	14
MPL 10-02	10	R 1/4	9.5	24.5	29	16	14
MPL 10-03	10	R 3/8	10.5	26	29	16	17
MPL 10-04	10	R 1/2	13.5	29	29	16	21
MPL 12-01	12	R 1/8	7.5	24	31	18	17
MPL 12-02	12	R 1/4	9.5	26	31	18	17
MPL 12-03	12	R 3/8	10.5	27	31	18	17
MPL 12-04	12	R 1/2	13.5	30	31	18	21
MPL 14-03	14	R 3/8	10.5	31	39	21	21
MPL 14-04	14	R 1/2	13.5	34	39	21	21
MPL 16-03	16	R 3/8	10.5	31	40	23	21

**Managed Models**

MODELO	DESCRIPCIÓN
BPL-06-01	CONEXIÓN CODO METÁLICA 6 MM A 1/8
BPL-06-02	CONEXIÓN CODO METÁLICA 6 MM A 1/4
BPL-08-01	CONEXIÓN CODO METÁLICA 8 MM A 1/8
BPL-08-02	CONEXIÓN CODO METÁLICA 8 MM A 1/4
BPL-10-01	CONEXIÓN CODO METÁLICA 10 MM A 1/8
BPL-10-02	CONEXIÓN CODO METÁLICA 10 MM A 1/4
BPL-1/4-N01	CONEXIÓN CODO METÁLICA 1/4 A 1/8
BPL-1/4-N02	CONEXIÓN CODO METÁLICA 1/4 A 1/4
BPL-3/8-N01	CONEXIÓN CODO METÁLICA 3/8 A 1/8
BPL-3/8-N02	CONEXIÓN CODO METÁLICA 3/8 A 1/4
BPL-3/8-N03	CONEXIÓN CODO METÁLICA 3/8 A 3/8
BPL-1/2-N02	CONEXIÓN CODO METÁLICA 1/2 A 1/4
BPL-1/2-N04	CONEXIÓN CODO METÁLICA 1/2 A 1/2

**METAL ONE — TOUCH FITTINGS MODEL MPU**

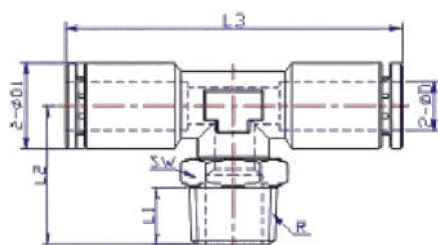


MODEL	D	D1	D2	D3	L
MPU 04	4	4	8.8	8.8	28
MPU 06	6	6	12	12	38
MPU 08	8	8	14	14	40
MPU 10	10	10	16	16	45
MPU 12	12	12	18	18	47
MPU 14	14	14	21	21	61
MPU 16	16	16	23	23	63
MPU 06-04	6	4	8.8	12	31
MPU 08-06	8	6	12	14	36.5
MPU 10-08	10	8	14	16	43
MPU 12-10	12	10	16	18	46
MPU 14-12	14	12	18	21	53.5
MPU 16-14	16	14	21	23	62.5

**Managed Models**

MODELO	DESCRIPCIÓN
BPU-06	CONEXIÓN UNIÓN METÁLICA 6 MM
BPU-08	CONEXIÓN UNIÓN METÁLICA 8 MM
BPU-10	CONEXIÓN UNIÓN METÁLICA 10 MM
BPU-1/4	CONEXIÓN UNIÓN METÁLICA 1/4
BPU-3/8	CONEXIÓN UNIÓN METÁLICA 3/8

**MPB**

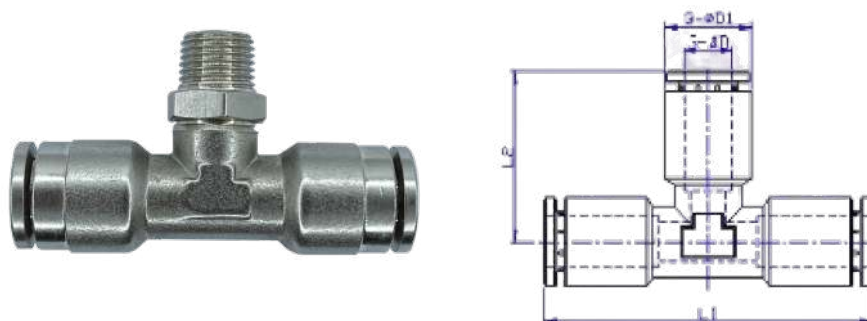


MODEL	D	R	L1	L2	L3	D1	SW
MPB 04-M3	4	M3	3.5	16	33	8.8	10
MPB 04-M5	4	M5	3.5	16	33	8.8	10
MPB 04-M6	4	M6	4	16.5	33	8.8	10
MPB 04-01	4	R 1/8	7.5	19.5	33	8.8	10
MPB 04-02	4	R 1/4	9.5	21.5	33	8.8	14
MPB 04-03	4	R 3/8	10.5	23.5	33	8.8	17
MPB 06-M5	6	M5	3.5	16	48	12	10
MPB 06-M6	6	M6	4	16.5	48	12	10
MPB 06-01	6	R 1/8	7.5	19.5	48	12	10
MPB 06-02	6	R 1/4	9.5	21.5	48	12	14
MPB 06-03	6	R 3/8	10.5	23.5	48	12	17
MPB 06-04	6	R 1/2	13.5	26.5	48	12	21
MPB 08-01	8	R 1/8	7.5	21	53	14	12
MPB 08-02	8	R 1/4	9.5	23	53	14	14
MPB 08-03	8	R 3/8	10.5	24.5	53	14	17
MPB 08-04	8	R 1/2	13.5	27.5	53	14	21
MPB 10-01	10	R 1/8	7.5	22.5	59	16	14
MPB 10-02	10	R 1/4	9.5	24.5	59	16	14
MPB 10-03	10	R 3/8	10.5	26	59	16	17
MPB 10-04	10	R 1/2	13.5	29	59	16	21
MPB 12-01	12	R 1/8	7.5	24	63	18	17
MPB 12-02	12	R 1/4	9.5	26	63	18	17
MPB 12-03	12	R 3/8	10.5	27	63	18	17
MPB 12-04	12	R 1/2	13.5	30	63	18	21
MPB 14-03	14	R 3/8	10.5	31	78	21	21
MPB 14-04	14	R 1/2	13.5	34	78	21	21
MPB 16-03	16	R 3/8	10.5	31	80	23	21
MPB 16-04	16	R 1/2	13.5	34	80	23	21

Managed Models

MODELO	DESCRIPCIÓN
BPB-06-01	CONEXIÓN T METÁLICA 6 MM A 1/8
BPB-06-02	CONEXIÓN T METÁLICA 6 MM A 1/4
BPB-08-01	CONEXIÓN T METÁLICA 8 MM A 1/8
BPB-08-02	CONEXIÓN T METÁLICA 8 MM A 1/4
BPB-10-02	CONEXIÓN T METÁLICA 10 MM A 1/4
BPB-1/4-N01	CONEXIÓN T METÁLICA 1/4 A 1/8
BPB-1/4-N02	CONEXIÓN T METÁLICA 1/4 A 1/2
BPB-3/8-N02	CONEXIÓN T METÁLICA 3/8 A 1/4

**METAL ONE — TOUCH FITTINGS MODEL MPE**



MODEL	D	D1	L1	L2
MPE 04	4	8.8	33	16.5
MPE 06	6	12	48	24
MPE 08	8	14	53	26.5
MPE 10	10	16	59	29.5
MPE 12	12	18	63	31.5

Managed Models

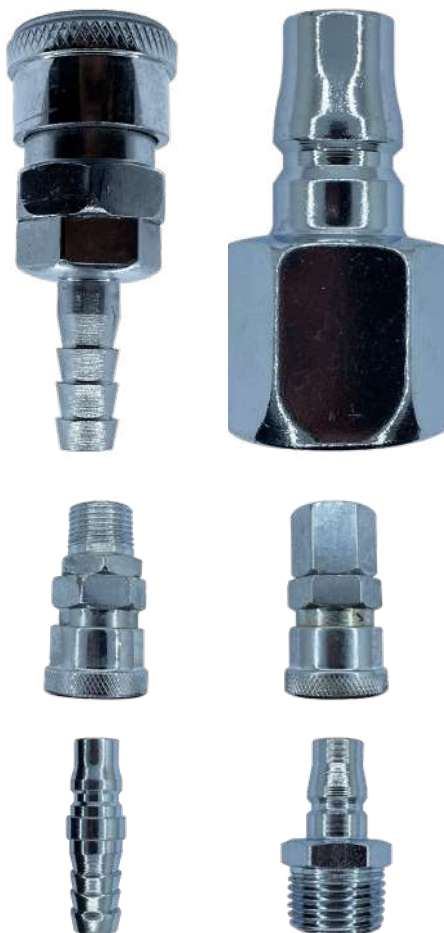
MODELO	DESCRIPCIÓN
BPE-06	CONEXIÓN T METÁLICA 6 MM
BPE-08	CONEXIÓN T METÁLICA 8 MM
BPE-10	CONEXIÓN T METÁLICA 10 MM
BPE-1/4	CONEXIÓN T METÁLICA 1/4
BPE-3/8	CONEXIÓN T METÁLICA 3/8
BPE-1/2	CONEXIÓN T METÁLICA 1/2

**VÁLVULAS CHECK Y OTRAS**



HVFF06-06B	VÁLVULA 2 VÍAS 2 POSICIONES DE 6 MM
HVFF08-08B	VÁLVULA 2 VÍAS 2 POSICIONES DE 8 MM
HVFF10-10B	VÁLVULA 2 VÍAS 2 POSICIONES DE 10 MM
HVFF12-12B	VÁLVULA 2 VÍAS 2 POSICIONES DE 12 MM
HVFF06-06	VÁLVULA 3 VÍAS 2 POSICIONES DE 6 MM
HVFF08-08	VÁLVULA 3 VÍAS 2 POSICIONES DE 8 MM
HVFF10-10	VÁLVULA 3 VÍAS 2 POSICIONES DE 10 MM
SVPC 06-02	VÁLVULA STOP MANGUERA 6 MM A 1/4
SVPC 08-02	VÁLVULA STOP MANGUERA 8 MM A 1/4
CPVC 06-02	VÁLVULA CHECK MANGUERA 6 MM A 1/4
CPVC 08-01	VÁLVULA CHECK MANGUERA 8 MM A 1/8
CPVC 08-02	VÁLVULA CHECK MANGUERA 8 MM A 1/4
CVPU 06	VÁLVULA CHECK MANGUERA 6 MM
CVPU 08	VÁLVULA CHECK MANGUERA 8 MM
CVPU 10	VÁLVULA CHECK MANGUERA 10 MM
CVPF 01	VÁLVULA CHECK 1/8 HEMBRA A 1/8 MACHO
CVPF 02	VÁLVULA CHECK 1/4 HEMBRA A 1/4 MACHO
PHD-06-02	CONEXIÓN MANGUERA 6 MM A 1/4 DOBLE
PHD-08-02	CONEXIÓN MANGUERA 8 MM A 1/4 DOBLE
BSLM5	SILENCIADOR SINTERIZADO M5
BSL1/8	SILENCIADOR SINTERIZADO 1/8
BSL1/4	SILENCIADOR SINTERIZADO 1/4
BSL3/8	SILENCIADOR SINTERIZADO 3/8
BSL1/2	SILENCIADOR SINTERIZADO 1/2
BSL3/4	SILENCIADOR SINTERIZADO 3/4
BSL1	SILENCIADOR SINTERIZADO 1
BSLM1/8	SILENCIADOR MALLA 1/8
BSLM1/4	SILENCIADOR MALLA 1/4
BSLM3/8	SILENCIADOR MALLA 3/8
BSLM1/2	SILENCIADOR MALLA 1/2
BESL1/8	SILENCIADOR CON REGULADOR 1/8
BESL1/4	SILENCIADOR CON REGULADOR 1/4
BESL3/8	SILENCIADOR CON REGULADOR 3/8
BESL1/2	SILENCIADOR CON REGULADOR 1/2
PSU1/8	SILENCIADOR PLÁSTICO 1/8
PSU1/4	SILENCIADOR PLÁSTICO 1/4
PSU3/8	SILENCIADOR PLÁSTICO 3/8
PSU1/2	SILENCIADOR PLÁSTICO 1/2

## COPLES RAPIDOS TIPO JAPONÉS



SH20	COPLE NEUMÁTICO ESPIGA DENTADA 1/4
SH30	COPLE NEUMÁTICO ESPIGA DENTADA 3/8
SH40	COPLE NEUMÁTICO ESPIGA DENTADA 1/2
SM20	COPLE NEUMÁTICO MACHO 1/4
SM30	COPLE NEUMÁTICO MACHO 3/8
SM40	COPLE NEUMÁTICO MACHO 1/2
SF20	COPLE NEUMÁTICO HEMBRA 1/4
SF30	COPLE NEUMÁTICO HEMBRA 3/8
SF40	COPLE NEUMÁTICO HEMBRA 1/2
PH20	ESPIGA NEUMÁTICA DENTADA 1/4
PH30	ESPIGA NEUMÁTICA DENTADA 3/8
PH40	ESPIGA NEUMÁTICA DENTADA 1/2
PM20	ESPIGA NEUMÁTICO MACHO 1/4
PM30	ESPIGA NEUMÁTICO MACHO 3/8
PM40	ESPIGA NEUMÁTICO MACHO 1/2
PF20	ESPIGA NEUMÁTICO HEMBRA 1/4
PF30	ESPIGA NEUMÁTICO HEMBRA 3/8
PF40	ESPIGA NEUMÁTICO HEMBRA 1/2

## COPLES RÁPIDOS TIPO AMERICANO



U01-2SM-7:1/4NPT	COPLE NEUMÁTICO HEMBRA A CUERDA MACHO 1/4
U01-3SM-7:3/8NPT	COPLE NEUMÁTICO HEMBRA A CUERDA MACHO 3/8
U01-4SM-7:1/2NPT	COPLE NEUMÁTICO HEMBRA A CUERDA MACHO 1/2
CNM-6 :3/8-3/8 NPT	COPLE NEUMÁTICO HEMBRA A CUERDA MACHO 3/8, CUERPO 3/8
U01-2SF-7:1/4NPT	COPLE NEUMÁTICO HEMBRA A CUERDA HEMBRA 1/4
U01-3SF-7:3/8NPT	COPLE NEUMÁTICO HEMBRA A CUERDA HEMBRA 3/8
U01-4SF-7:1/2NPT	COPLE NEUMÁTICO HEMBRA A CUERDA HEMBRA 1/2
CNH-6 :3/8-3/8 NPT	COPLE NEUMÁTICO HEMBRA A CUERDA HEMBRA 3/8, CUERPO 3/8



## COPLES RÁPIDOS TIPO AMERICANO



ASH20	COPLER NEUMÁTICO HEMBRA A ESPIGA DENTADA 1/4
ATSM 20	COPLER NEUMÁTICO MACHO A CUERDA MACHO 1/4
ASF N04	COPLER NEUMÁTICO HEMBRA A CUERDA HEMBRA 1/2
APH 20	ESPIGA NEUMÁTICO A ESPIGA DENTADA 1/4
APH 3/8	ESPIGA NEUMÁTICO A ESPIGA DENTADA 3/8
ATPM 20	ESPIGA NEUMÁTICO MACHO A CUERDA MACHO 1/4
U01-2PM-4:1/4NPT	ESPIGA NEUMÁTICO MACHO A CUERDA MACHO 1/4
U01-3PM-7:3/8NPT	ESPIGA NEUMÁTICO MACHO A CUERDA MACHO 3/8
APM N04	ESPIGA NEUMÁTICO MACHO A CUERDA MACHO 1/2
U01-2PF-7:1/4NPT	ESPIGA NEUMÁTICO MACHO A CUERDA HEMBRA 1/4
U01-3PF-7:3/8NPT	ESPIGA NEUMÁTICO MACHO A CUERDA HEMBRA 3/8

## CONEXIONES LATÓN



SPIM01	TAPÓN ALLEN 1/8
SPIM02	TAPÓN ALLEN 1/4
SPIM03	TAPÓN ALLEN 3/8
SPIM04	TAPÓN ALLEN 1/2
SRHF 02 01	REDUCCIÓN BUSHING 1/4 A 1/8
SRHF 03 02	REDUCCIÓN BUSHING 3/8 A 1/4
SRHF 04 02	REDUCCIÓN BUSHING 1/2 A 1/4
SRHF 04 03	REDUCCIÓN BUSHING 1/2 A 3/8
SCFF 02 02	CONEXIÓN CAMPANA 1/4 A 1/4
SCFF 03 02	CONEXIÓN CAMPANA 3/8 A 1/4
SCFF 04 02	CONEXIÓN CAMPANA 1/2 A 1/4
SCFF 04 03	CONEXIÓN CAMPANA 1/2 A 3/8
SCFF 04 04	CONEXIÓN CAMPANA 1/2 A 1/2
SCMM01 01	NIPLER 1/8 A 1/8
SCMM02 01	NIPLER 1/4 A 1/8
SCMM02 02	NIPLER 1/4 A 1/4
SCMM03 02	NIPLER 3/8 A 1/4
SCMM03 03	NIPLER 3/8 A 3/8
SCMM04 04	NIPLER 1/2 A 1/2

## VÁLVULA MINI DE BOLA

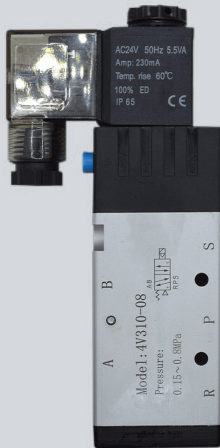


A303/2	VÁLVULA BOLA MINI DE 1/4 HEMBRA HEMBRA
MVP02-3/8-BSPT	VÁLVULA BOLA MINI DE 3/8 HEMBRA HEMBRA
MVP02-1/2-BSPT	VÁLVULA BOLA MINI DE 1/2 HEMBRA HEMBRA
A304/2	VÁLVULA BOLA MINI DE 1/4 HEMBRA MACHO
A304/3	VÁLVULA BOLA MINI DE 3/8 HEMBRA MACHO
A304/4	VÁLVULA BOLA MINI DE 1/2 HEMBRA MACHO




AG-A-L	PISTOLA AIRE LARGA
A110	PISTOLA AIRE CORTA
A110-02	PISTOLA AIRE CORTA REFORZADA
AG-L-S	PISTOLA AIRE CORTA
DG-10-1K	PISTOLA AIRE METÁLICA CORTA
DG-10-3K	PISTOLA AIRE METÁLICA LARGA





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