



PNEUMATIC PISTON VALVES

air, water, gas, oil, acid, food, vacuum systems



Pneumatic Piston Valves PP Series

General Features

- Stainless body and actuator
- High flow rate
- High quality
- Compact
- It can be used on vacuum applications
- N.C. / N.O. position

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

Technical Features

Type	: Pneumatic Piston Valve
Connection	: Threaded G(BSP), Welding, Flanged
Position	: Normally Closed / Normally Open
Working Temperature	: -10 °C / +180 °C
Max. Working Pressure	: 16 bar, 40 bar
Rec. Air Control Pressure	: 4 - 6 bar
Control Air Connection	: 1/4" G
Body	: Whole body AISI 316
Sealing Material	: PTFE (on request, EPDM)
On request	: NPT threaded connection
Ways	: 2 ways (2/2)
Working in difficult conditions	

Pneumatic Piston Valves Advantages

- Less pressure loss than globe valves
- Short opening-closing time
- High flow rate
- Whole body is AISI 316 stainless steel
- On request flanged and welded connection

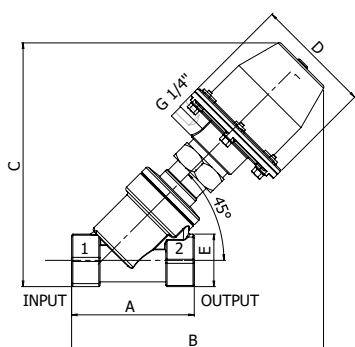


Threaded Connected Pneumatic Piston Valves

PP 1020, PP1021 Water Hammer Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

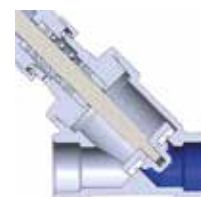


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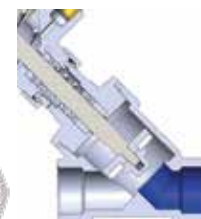
NORMALLY OPEN



PP1020 Serie



PP1021 Serie



Type	DN		A	B	C	D	E
	mm	Ø	mm	mm	mm	mm	mm
PP1020.03 / PP1021.03	15	1/2"	72	187	178	96	30
PP1020.04 / PP1021.04	20	3/4"	81	191	185	96	36
PP1020.05 / PP1021.05	25	1"	97	195	185	96	42
PP1020.06 / PP1021.06	32	1 1/4"	112	244	234	112	51
PP1020.07 / PP1021.07	40	1 1/2"	127	254	240	112	61
PP1020.08 / PP1021.08	50	2"	142	270	248	112	71

PP1020 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1020	kg
1/2"	15	-1	16	4	8	63	98	-20	180	PTFE	PP1020.03	2.200
3/4"	20	-1	12	4	8	63	170	-20	180	PTFE	PP1020.04	2.400
1"	25	-1	8	4	8	63	305	-20	180	PTFE	PP1020.05	2.700
1 1/4"	32	-1	12	4	8	80	460	-20	180	PTFE	PP1020.06	3.900
1 1/2"	40	-1	8	4	8	80	750	-20	180	PTFE	PP1020.07	5.250
2"	50	-1	6	4	8	80	1050	-20	180	PTFE	PP1020.08	5.750

PP1021 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1021	kg
1/2"	15	-1	10	4	8	63	98	-10	180	PTFE	PP1021.03	2.200
3/4"	20	-1	10	4	8	63	170	-10	180	PTFE	PP1021.04	2.400
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1021.05	2.700
1 1/4"	32	-1	8	4	8	80	460	-10	180	PTFE	PP1021.06	3.900
1 1/2"	40	-1	6	4	8	80	750	-10	180	PTFE	PP1021.07	5.250
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1021.08	5.750

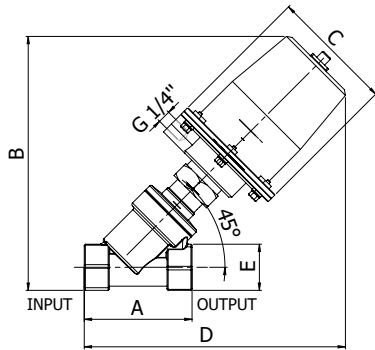
* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

High Pressure Pneumatic Piston Valves

PP 1070 Water Hammer Serie

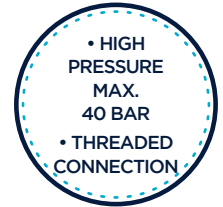
Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



Type	DN		A	B	C	D	E
	mm	Ø	mm	mm	mm	mm	mm
PP1070.03	15	1/2"	72	188	110	210	30
PP1070.04	20	3/4"	81	195	110	215	36
PP1070.05	25	1"	97	197	110	215	42

NORMALLY CLOSED



PP1070 Serie



PP1070 Serie Normally Closed

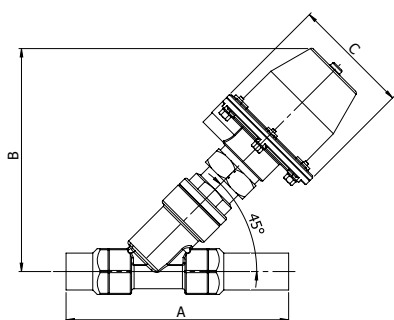
Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/Order No	Weight
		mm	min max	mm	min max			°C	min max			
1/2"	15	-1	40	4	8	80	98	-10	180	PTFE	PP1070.03	3.400
3/4"	20	-1	30	4	8	80	170	-10	180	PTFE	PP1070.04	3.680
1"	25	-1	20	4	8	80	305	-10	180	PTFE	PP1070.05	4.150

Welded Connection Pneumatic Piston Valves

PP 1040, PP 1041 Water Hammer Series

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP1040.03 / PP1041.03	15	1/2"	145	178	96
PP1040.04 / PP1041.04	20	3/4"	145	185	96
PP1040.05 / PP1041.05	25	1"	155	185	96
PP1040.06 / PP1041.06	32	1 1/4"	175	234	112
PP1040.07 / PP1041.07	40	1 1/2"	195	240	112
PP1040.08 / PP1041.08	50	2"	225	248	112

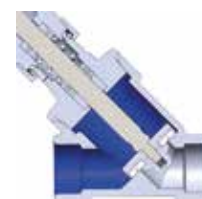


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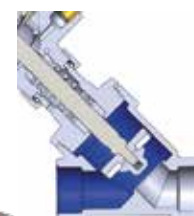
NORMALLY OPEN



PP1040 Serie



PP1041 Serie



PP1040 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max	PP1040	kg	
1/2"	15	-1	16	4	8	63	98	-10	180	PTFE	PP1040.03	2.320
3/4"	20	-1	12	4	8	63	170	-10	180	PTFE	PP1040.04	2.520
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1040.05	2.830
1 1/4"	32	-1	12	4	8	80	460	-10	180	PTFE	PP1040.06	4.400
1 1/2"	40	-1	8	4	8	80	750	-10	180	PTFE	PP1040.07	5.550
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1040.08	6.500

PP1041 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max	PP1041	kg	
1/2"	15	-1	10	4	8	63	98	-10	180	PTFE	PP1041.03	2.320
3/4"	20	-1	10	4	8	63	170	-10	180	PTFE	PP1041.04	2.520
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1041.05	2.830
1 1/4"	32	-1	8	4	8	80	460	-10	180	PTFE	PP1041.06	4.400
1 1/2"	40	-1	6	4	8	80	750	-10	180	PTFE	PP1041.07	5.550
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1041.08	6.500

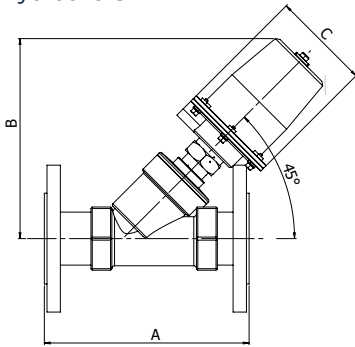
* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Flanged Connected Pneumatic Piston Valve

PP 1060, PP 1061 Water Hammer Series

Application Areas

Water, Air, Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP1060.03 / PP1061.03	15	1/2"	130	178	96
PP1060.04 / PP1061.04	20	3/4"	150	185	96
PP1060.05 / PP1061.05	25	1"	160	185	96
PP1060.06 / PP1061.06	32	1 1/4"	180	234	112
PP1060.07 / PP1061.07	40	1 1/2"	200	240	112
PP1060.08 / PP1061.08	50	2"	230	248	112



NORMALLY CLOSED

NORMALLY OPEN



PP1060 Serie



PP1061 Serie



PP1060 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1060	kg
1/2"	15	-1	16	4	8	63	98	-10	180	PTFE	PP1060.03	3.500
3/4"	20	-1	12	4	8	63	170	-10	180	PTFE	PP1060.04	3.790
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1060.05	4.270
1 1/4"	32	-1	12	4	8	80	460	-10	180	PTFE	PP1060.06	7.000
1 1/2"	40	-1	8	4	8	80	750	-10	180	PTFE	PP1060.07	8.700
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1060.08	9.650

PP1061 Serie Normally Open

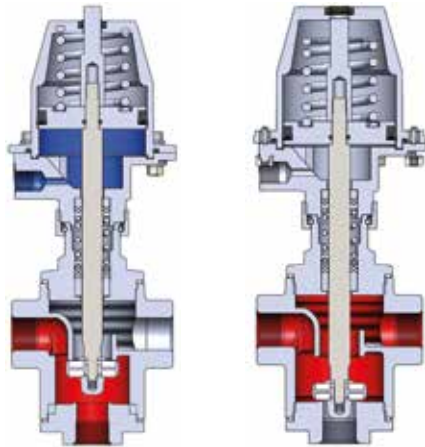
Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1061	kg
1/2"	15	-1	10	4	8	63	98	-10	180	PTFE	PP1061.03	3.500
3/4"	20	-1	10	4	8	63	170	-10	180	PTFE	PP1061.04	3.790
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1061.05	4.270
1 1/4"	32	-1	8	4	8	80	460	-10	180	PTFE	PP1061.06	7.000
1 1/2"	40	-1	6	4	8	80	750	-10	180	PTFE	PP1061.07	8.700
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1061.08	9.650

Pneumatic Piston Valves 3/2 Way

PP 1025, PP 1026 Water Hammer Series

Application Areas

Water, Air, Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas



Normally Closed

Normally Open



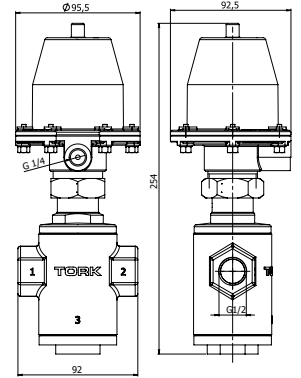
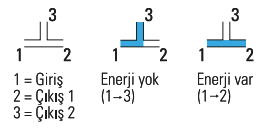
NORMALLY CLOSED

NORMALLY OPEN

PP1025 Serie



PP1026 Serie



PP1025 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
G"	mm					Ø	lt/min				PP1025	kg
1/2"	22	-1	10	4	8	63	98	-10	180	PTFE	PP1025.03	3
3/4"	22	-1	10	4	8	63	170	-10	180	PTFE	PP1025.04	3.690

PP1026 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
G"	mm					Ø	lt/min				PP1026	kg
1/2"	22	-1	10	4	8	63	98	-10	180	PTFE	PP1026.03	3
3/4"	22	-1	10	4	8	63	170	-10	180	PTFE	PP10 26.04	3.1

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Threaded Connection Pneumatic Piston Valves

PP1050, PP1051 Series

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

Technical Features

- Opening Closing Time** : 30-40 ms
- Fluid Viscosity** : Max. 600 mm²/s
- Actuator Material** : AISI 316
- Positioner and Switch Bos** : Connectable
- Connection Type** : Threaded or Flanged
- Control Valve** : 3/2 way TORC Solenoid Valve
- Montage Way** : Flow must be in the direction of the arrow on the body
- Body** : Whole stainless steel body

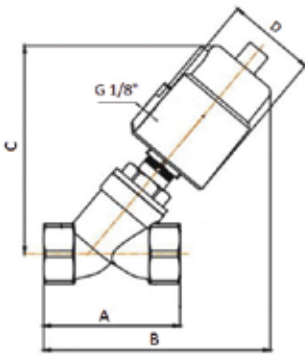
NORMALLY CLOSED

NORMALLY OPEN

PP1050 Serie



PP1051 Serie



Type	DN		A	B	C	D
	mm	Ø	mm	mm	mm	mm
PP1050.03 / PP1051.03	15	1/2"	68	135	125	60
PP1050.04 / PP1051.04	20	3/4"	75	140	132	60
PP1050.05 / PP1051.05	25	1"	90	150	136	60
PP1050.06 / PP1051.06	32	1 1/4"	116	190	174	75
PP1050.07 / PP1051.07	40	1 1/2"	116	190	175	75
PP1050.08 / PP1051.08	50	2"	138	205	183	75

PP1050 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	13	-1	16	4	8	63	98	-20	180	PTFE	PP1050.03	800
3/4"	20	-1	16	4	8	63	170	-20	180	PTFE	PP1050.04	1.100
1"	25	-1	16	4	8	63	305	-20	180	PTFE	PP1050.05	1.350
1 1/4"	32	-1	16	4	8	80	460	-20	180	PTFE	PP1050.06	2.550
1 1/2"	40	-1	16	4	8	80	750	-20	180	PTFE	PP1050.07	2.700
2"	50	-1	16	4	8	80	1050	-20	180	PTFE	PP1050.08	3.350

PP1051 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	13	-1	16	4	8	63	98	-10	180	PTFE	PP1051.03	800
3/4"	20	-1	12	4	8	63	170	-10	180	PTFE	PP1051.04	1.100
1"	25	-1	3	4	8	63	305	-10	180	PTFE	PP1051.05	1.350
1 1/4"	32	-1	14	4	8	80	460	-10	180	PTFE	PP1051.06	2.550
1 1/2"	40	-1	14	4	8	80	750	-10	180	PTFE	PP1051.07	2.700
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1051.08	3.350

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Threaded Connection Pneumatic Piston Valves

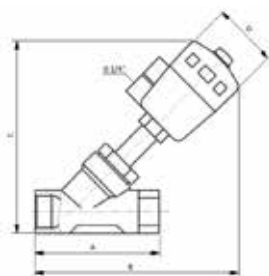
PP1090, PP1091 Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

Technical Features

- Opening Closing Time** : 30-40 ms
- Fluid Viscosity** : Max. 600 mm²/s
- Actuator Material** : Fiber glass reinforced poliamid (PAGF30)
- Positioner and Switch Bos** : Connectable
- Connection Type** : Threaded or Flanged
- Control Valve** : 3/2 way TORK Solenoid Valve
- Montage Way** : Flow must be in the direction of the arrow on the body
- Body** : Whole stainless steel body



NORMALLY CLOSED

NORMALLY OPEN

PP1090 Serie

PP1091 Serie



Type	DN		A	B	C	D
	mm	Ø	mm	mm	mm	mm
PP1090.03 / PP1091.03	15	1/2"	86	172	137	64
PP1090.04 / PP1091.04	20	3/4"	95	178	145	64
PP1090.05 / PP1091.05	25	1"	105	210	165	64
PP1090.06 / PP1091.06	32	1 1/4"	120	220	180	80
PP1090.07 / PP1091.07	40	1 1/2"	130	228	190	80
PP1090.08 / PP1091.08	50	2"	150	268	245	100
PP1090.09	65	2 1/2"	185	282	272	80

PP1090 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max			°C min	°C max			
G"	mm			Ø	lt/min				PP1090	kg
1/2"	13	-1	16	50	70	-20	180	PTFE	PP1090.03	800
3/4"	20	-1	16	50	141	-20	180	PTFE	PP1090.04	1.050
1"	25	-1	16	50	166	-20	180	PTFE	PP1090.05	1.150
1 1/4"	32	-1	16	63	416	-20	180	PTFE	PP1090.06	2.150
1 1/2"	40	-1	16	63	583	-20	180	PTFE	PP1090.07	2.450
2"	50	-1	16	80	666	-20	180	PTFE	PP1090.08	4.000
2 1/2"	65	-1	16	80	1500	-10	180	PTFE	PP1090.09	8.000

PP1091 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max			°C min	°C max			
G"	mm			Ø	lt/min				PP1091	kg
1/2"	13	-1	16	50	70	-10	120	PTFE	PP1091.03	800
3/4"	20	-1	16	50	141	-10	120	PTFE	PP1091.04	1.050
1"	25	-1	16	50	166	-10	120	PTFE	PP1091.05	1.150
1 1/4"	32	-1	16	63	416	-10	120	PTFE	PP1091.06	2.150
1 1/2"	40	-1	16	63	583	-10	120	PTFE	PP1091.07	2.450
2"	50	-1	16	80	666	-10	120	PTFE	PP1091.08	4.000

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Mini Pneumatic Piston Valves (1/2") PP1030 Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

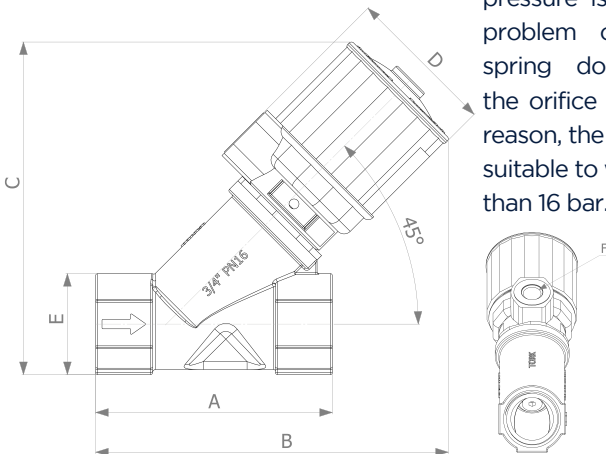
Technical Features

Opening Closing Time	: 30-40 ms
Fluid Viscosity	: Max. 600 mm ² /s
Actuator Material	: Fiber glass reinforced poliamid (PAGF30)
Positioner and Switch Bos	: Connectable
Connection Type	: Threaded or Flanged
Control Valve	: 3/2 way TORK Solenoid Valve
Montage Way	: Flow must be in the direction of the arrow on the body
Body	: Whole stainless steel body

A newly developed sealing and bearing material is used in the mini-piston valves. Thanks to this new development, the product is able to work long time smoothly.

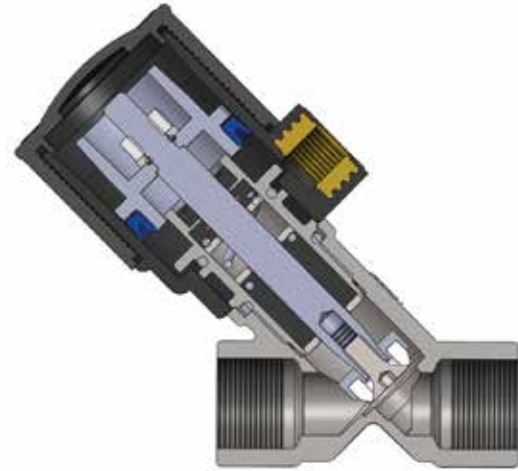
One of the issues to be considered in this product is that the flow direction is opposite according to other piston valves.

Opposite flow direction prevents the leakage of the fluid by the pressure in the inlet pushes the plunger. The problem of leakage with the increase of the inlet pressure is a problem that is constantly encountered in other piston valves. However, this time, if the flow pressure is too high, the problem of the piston spring does not close the orifice arises. For this reason, the product is not suitable to work at more than 16 bar.



NORMALLY CLOSED

- ECONOMIC, LIGHT AND USEFUL
- LESS AIR CONSUMPTION



Valf Tipi / Sipariş No	DIN		A mm	B mm	C mm	D mm	E mm	F G
	mm	G						
PP1030.02	10	3/8"	80	104	95	49	26	1/8"
PP1030.03	15	1/2"	62	104	95	49	26	1/8"
PP1030.04	20	3/4"	75	113	104	49	32	1/8"

Connection Size	Orifice Size	Working Pressure*	Pilot Pressure		Control Cylinder		Fluid Temperature	Kv	Seal		Valve Type/Order No	Weight
			Bar		Bar				°C			
			Min	Max	Min	Max			Min	Max		
PP1030	G"	mm					∅					
PP1030.02	3/8"	12	-1	16	4	8	31	25	-20	110	PTFE	0,41
PP1030.03	1/2"	12	-1	16	4	8	31	45	-20	110	PTFE	0,35
PP1030.04	3/4"	17	-1	13	6	8	31	90	-20	110	PTFE	0,48

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Threaded Connection Pistonlu Valves

PP 1120, PP1121 Gas and Steam Serie

Application Areas

Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Vacuum Applications, Natural Gas

NORMALLY CLOSED

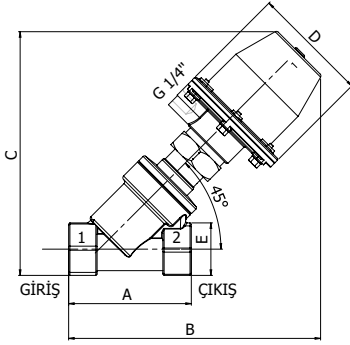
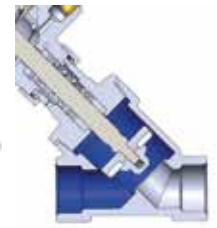
NORMALLY OPEN



PP1120 Serie



PP1121 Serie



Type	DN		A	B	C	D	E
	mm	Ø	mm	mm	mm	mm	mm
PP1020.03 / PP1021.03	15	1/2"	72	187	178	96	30
PP1020.04 / PP1021.04	20	3/4"	81	191	185	96	36
PP1020.05 / PP1021.05	25	1"	97	195	185	96	42
PP1020.06 / PP1021.06	32	1 1/4"	112	244	234	112	51
PP1020.07 / PP1021.07	40	1 1/2"	127	254	240	112	61
PP1020.08 / PP1021.08	50	2"	142	270	248	112	71

PP1120 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
G"	mm	mm min	mm max	mm min	mm max	Ø	lt/min	°C min	°C max		PP1020	kg
1/2"	15	-1	16	4	8	63	98	-20	180	PTFE	PP1020.03	2.200
3/4"	20	-1	12	4	8	63	170	-20	180	PTFE	PP1020.04	2.400
1"	25	-1	8	4	8	63	305	-20	180	PTFE	PP1020.05	2.700
1 1/4"	32	-1	12	4	8	80	460	-20	180	PTFE	PP1020.06	3.900
1 1/2"	40	-1	8	4	8	80	750	-20	180	PTFE	PP1020.07	5.250
2"	50	-1	6	4	8	80	1050	-20	180	PTFE	PP1020.08	5.750

PP1121 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
G"	mm	mm min	mm max	mm min	mm max	Ø	lt/min	°C min	°C max		PP1021	kg
1/2"	15	-1	10	4	8	63	98	-10	180	PTFE	PP1021.03	2.200
3/4"	20	-1	10	4	8	63	170	-10	180	PTFE	PP1021.04	2.400
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP1021.05	2.700
1 1/4"	32	-1	8	4	8	80	460	-10	180	PTFE	PP1021.06	3.900
1 1/2"	40	-1	6	4	8	80	750	-10	180	PTFE	PP1021.07	5.250
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP1021.08	5.750

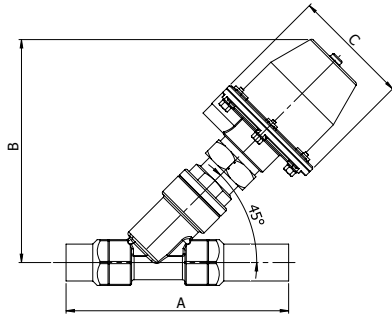
* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Welded Connection Pneumatic Piston Valves

PP 1140, PP 1141 Gas and Steam Serie

Application Areas

Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Vacuum Applications, Natural Gas



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP1140.03 / PP1141.03	15	1/2"	145	178	96
PP1140.04 / PP1141.04	20	3/4"	145	185	96
PP1140.05 / PP1141.05	25	1"	155	185	96
PP1140.06 / PP1141.06	32	1 1/4"	175	234	112
PP1140.07 / PP1141.07	40	1 1/2"	195	240	112
PP1140.08 / PP1141.08	50	2"	225	248	112



NORMALLY CLOSED

NORMALLY OPEN



PP1140 Serie



PP1141 Serie



PP1140 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1140	kg
1/2"	15	-1	16	4	8	63	98	-10	180	PTFE	PP1140.03	2.320
3/4"	20	-1	16	4	8	63	170	-10	180	PTFE	PP1140.04	2.520
1"	25	-1	16	4	8	63	305	-10	180	PTFE	PP1140.05	2.830
1 1/4"	32	-1	16	4	8	80	460	-10	180	PTFE	PP1140.06	4.400
1 1/2"	40	-1	16	4	8	80	750	-10	180	PTFE	PP1140.07	5.550
2"	50	-1	16	4	8	80	1050	-10	180	PTFE	PP1140.08	6.500

PP1141 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP1141	kg
1/2"	15	-1	12	4	8	63	98	-10	180	PTFE	PP1141.03	2.320
3/4"	20	-1	12	4	8	63	170	-10	180	PTFE	PP1141.04	2.520
1"	25	-1	6	4	8	63	305	-10	180	PTFE	PP1141.05	2.830

Flanged Connected Pneumatic Piston Valves

PP 1160, PP 1161 Gas and Steam Serie

Application Areas

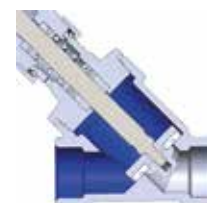
Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Vacuum Applications, Natural Gas

NORMALLY CLOSED

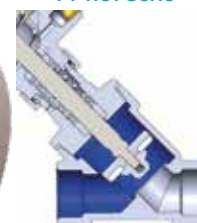
NORMALLY OPEN



PP1160 Serie



PP1161 Serie



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP1160.03 / PP1161.03	15	1/2"	130	178	96
PP1160.04 / PP1161.04	20	3/4"	150	185	96
PP1160.05 / PP1161.05	25	1"	160	185	96
PP1160.06 / PP1161.06	32	1 1/4"	180	234	112
PP1160.07 / PP1161.07	40	1 1/2"	200	240	112
PP1160.08 / PP1161.08	50	2"	230	248	112



PP1160 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	16	4	8	63	98	-10	180	PTFE	PP1160.03	3.500
3/4"	20	-1	16	4	8	63	170	-10	180	PTFE	PP1160.04	3.790
1"	25	-1	16	4	8	63	305	-10	180	PTFE	PP1160.05	4.270
1 1/4"	32	-1	16	4	8	80	460	-10	180	PTFE	PP1160.06	7.000
1 1/2"	40	-1	16	4	8	80	750	-10	180	PTFE	PP1160.07	8.700
2"	50	-1	16	4	8	80	1050	-10	180	PTFE	PP1160.08	9.650

PP1061 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	12	4	8	63	98	-10	180	PTFE	PP1161.03	3.500
3/4"	20	-1	12	4	8	63	170	-10	180	PTFE	PP1161.04	3.790
1"	25	-1	6	4	8	63	305	-10	180	PTFE	PP1161.05	4.270

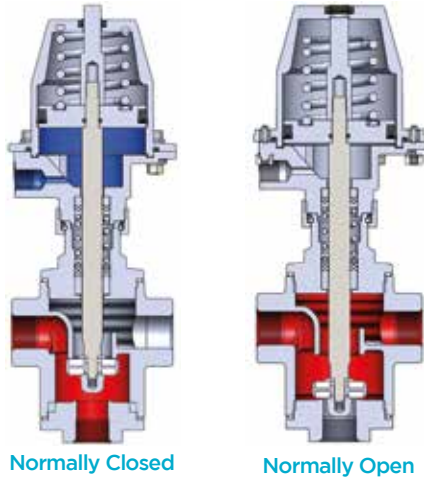
* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Pneumatic Piston Valves 3/2 Way

1125, PP 1126 Gas and Steam Serie

Application Areas

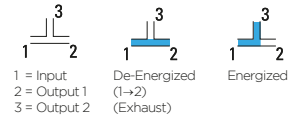
Su, Steam, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Vacuum Applications, Oil, Natural Gas



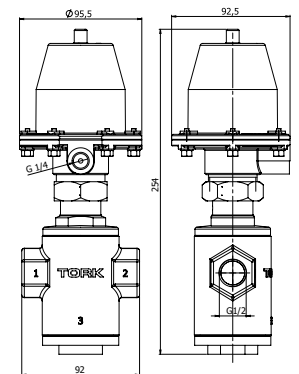
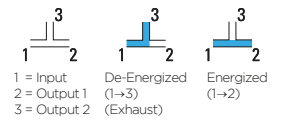
NORMALLY CLOSED

NORMALLY OPEN

PP1125 Serie



PP1126 Serie



PP1125 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
G"	mm					Ø	lt/min				PP1125	kg
1/2"	22	-1	10	4	8	63	98	-10	180	PTFE	PP1125.03	3
3/4"	22	-1	10	4	8	63	170	-10	180	PTFE	PP1125.04	3.690

PP1126 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
G"	mm					Ø	lt/min				PP1126	kg
1/2"	22	-1	10	4	8	63	98	-10	180	PTFE	PP1126.03	3
3/4"	22	-1	10	4	8	63	170	-10	180	PTFE	PP1126.04	3.1

Mini Pneumatic Piston Valves (1/2")

PP1130 Serie

Uygulama Alanları

Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Vacuum Applications, Natural Gas

Technical Features

Opening Closing Time	: 30-40 ms
Fluid Viscosity	: Max. 600 mm ² /s
Actuator Material	: Fiber glass reinforced poliamid (PAGF30)
Positioner and Switch Bos	: Connectable
Connection Type	: Threaded or Flanged
Control Valve	: 3/2 way TORC Solenoid Valve
Montage Way	: Flow must be in the direction of the arrow on the body
Body	: Whole stainless steel body

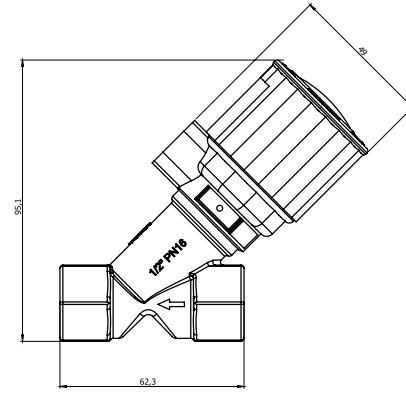
NORMALLY CLOSED



A newly developed sealing and bearing material is used in the mini-piston valves. Thanks to this new development, the product is able to work long time smoothly.

One of the issues to be considered in this product is that the flow direction is opposite according to other piston valves.

Opposite flow direction prevents the leakage of the fluid by the pressure in the inlet pushes the plunger. The problem of leakage with the increase of the inlet pressure is a problem that is constantly encountered in other piston valves. However, this time, if the flow pressure is too high, the problem of the piston spring does not close the orifice arises. For this reason, the product is not suitable to work at more than 16 bar.



Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	12	-1	16	4	8	31	70	-10	110	PTFE	PP1130.03	0.36
3/8"	12	-1	16	4	8	31	50	-10	110	PTFE	PP1130.02	0.41

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Mini Piston Valve with Indicator

PP 1035 Series

Application Areas

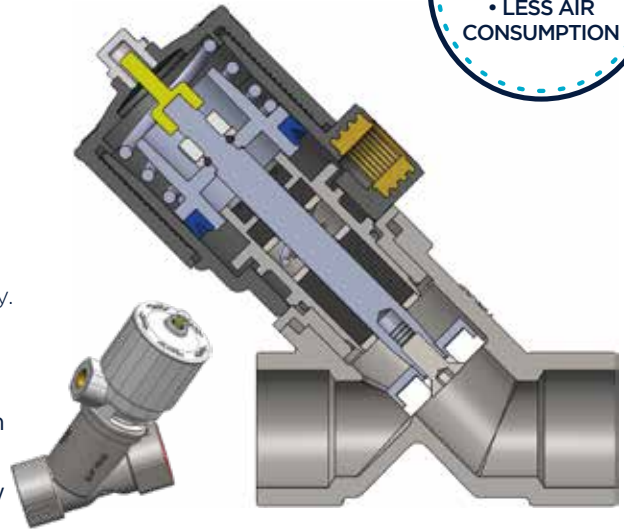
Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Treatment, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

NORMALLY CLOSED



Technical Features

- On-Off Time** : 30-40 ms
- Fluid Viscosity** : Max. 600 m²/s
- Actuator Material** : Glass fiber reinforced polyamide (PAGF30)
- Positioner and Switch Box** : Connectable
- Connection Type** : Threaded and Flanged
- Control Valve** : 3/2 way TORK Solenoid Valve
- Mounting Way** : The flow should be in the direction of the arrow on the body.
- Body** : Complete stainless steel body



A newly developed sealing and guiding element is used in mini piston valves.

One of the issues to be considered in this product is that the flow direction is opposite to other piston valves.

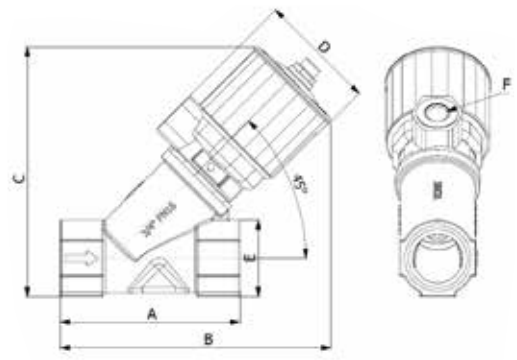
The reverse flow prevents the fluid from leaking by pushing the piston of the pressure at the inlet. With the increase of the inlet pressure, the leakage problem is a problem that is constantly encountered in other piston valves. However, this time, if the flow pressure is too high, the problem arises that the piston spring is insufficient and does not close the orifice. For this reason, it is not suitable for the product to operate at a pressure of more than 16 bar.

Unlike other mini piston valves, this piston valve has a mechanical indicator pin on it.

When the valve is turned to the open position, the yellow indicator pin shows itself upwards and stays like this as long as the valve remains open.

When the valve is turned to the closed position, the pin retracts and hides itself.

With this movement of the pin, the user can visually control whether the valve is open or closed.



TYPE	DN		A	B	C	D	E	F
	mm	G	mm	mm	mm	mm	mm	G
PP1035.03	15	1/2"	62	104	95	49	26	1/8"
PP1035.04	20	3/4"	75	113	104	49	32	1/8"

Connection Size	Orifice Size	Working Pressure	Pilot Pressure		Control Cylinder		Fluid Temperature	Kv	Seal		Valve Type/ Order No	Weight
			bar	bar	bar	bar			°C	°C		
PP1035	G"	mm	min	max	min	max	Ø	lt/dak	min	max		kg
PP1035.03	1/2"	12	-1	8	6	8	31	45	-20	+110	PTFE	0,35
PP1035.04	3/4"	17	-1	6	6	8	31	90	-20	+110	PTFE	0,48

Threaded Connection Pneumatic Piston Valves

PP2020 / PP2021 Arctic (-50°) Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

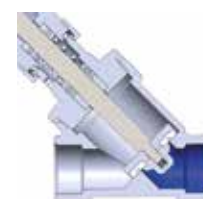


NORMALLY CLOSED

NORMALLY OPEN



PP2020 Serie



PP2021 Serie



Type	DN		A	B	C	D	E
	mm	Ø	mm	mm	mm	mm	mm
PP2020.03 / PP2021.03	15	1/2"	72	187	178	96	30
PP2020.04 / PP2021.04	20	3/4"	81	191	185	96	36
PP2020.05 / PP2021.05	25	1"	97	195	185	96	42
PP2020.06 / PP2021.06	32	1 1/4"	112	244	234	112	51
PP2020.07 / PP2021.07	40	1 1/2"	127	254	240	112	61
PP2020.08 / PP2021.08	50	2"	142	270	248	112	71



PP2020 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	16	4	8	63	98	-50	180	PTFE	PP2020.03	2.200
3/4"	20	-1	12	4	8	63	170	-50	180	PTFE	PP2020.04	2.400
1"	25	-1	8	4	8	63	305	-50	180	PTFE	PP2020.05	2.700
1 1/4"	32	-1	12	4	8	80	460	-50	180	PTFE	PP2020.06	3.900
1 1/2"	40	-1	8	4	8	80	750	-50	180	PTFE	PP2020.07	5.250
2"	50	-1	6	4	8	80	1050	-50	180	PTFE	PP2020.08	5.750

PP2021 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	10	4	8	63	98	-50	180	PTFE	PP2021.03	2.200
3/4"	20	-1	10	4	8	63	170	-50	180	PTFE	PP2021.04	2.400
1"	25	-1	8	4	8	63	305	-50	180	PTFE	PP2021.05	2.700
1 1/4"	32	-1	8	4	8	80	460	-50	180	PTFE	PP2021.06	3.900
1 1/2"	40	-1	6	4	8	80	750	-50	180	PTFE	PP2021.07	5.250
2"	50	-1	6	4	8	80	1050	-50	180	PTFE	PP2021.08	5.750

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Welded Connection Pneumatic Piston Valves PP2040, PP2041 Arctic (-50°) Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



NORMALLY CLOSED

NORMALLY OPEN



PP2040 Serie



PP2041 Serie



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP2040.03 / PP2041.03	15	1/2"	145	178	96
PP2040.04 / PP2041.04	20	3/4"	145	185	96
PP2040.05 / PP2041.05	25	1"	155	185	96
PP2040.06 / PP2041.06	32	1 1/4"	175	234	112
PP2040.07 / PP2041.07	40	1 1/2"	195	240	112
PP2040.08 / PP2041.08	50	2"	225	248	112



PP2040 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	16	4	8	63	98	-50	180	PTFE	PP2040.03	2.320
3/4"	20	-1	12	4	8	63	170	-50	180	PTFE	PP2040.04	2.520
1"	25	-1	8	4	8	63	305	-50	180	PTFE	PP2040.05	2.830
1 1/4"	32	-1	12	4	8	80	460	-50	180	PTFE	PP2040.06	4.400
1 1/2"	40	-1	8	4	8	80	750	-50	180	PTFE	PP2040.07	5.550
2"	50	-1	6	4	8	80	1050	-50	180	PTFE	PP2040.08	6.500

PP2041 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max	mm min	mm max			°C min	°C max			
1/2"	15	-1	10	4	8	63	98	-50	180	PTFE	PP2041.03	2.320
3/4"	20	-1	10	4	8	63	170	-50	180	PTFE	PP2041.04	2.520
1"	25	-1	8	4	8	63	305	-50	180	PTFE	PP2041.05	2.830
1 1/4"	32	-1	8	4	8	80	460	-50	180	PTFE	PP2041.06	4.400
1 1/2"	40	-1	6	4	8	80	750	-50	180	PTFE	PP2041.07	5.550
2"	50	-1	6	4	8	80	1050	-50	180	PTFE	PP2041.08	6.500

Flanged Connection Pneumatic Piston Valves

PP 2060, PP 2061 Arctic (-50°) Serie

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



NORMALLY CLOSED

NORMALLY OPEN



PP2060 Serie



PP2061 Serie



Type	DN		A	B	C
	mm	Ø	mm	mm	mm
PP2060.03 / PP2061.03	15	1/2"	130	178	96
PP2060.04 / PP2061.04	20	3/4"	150	185	96
PP2060.05 / PP2061.05	25	1"	160	185	96
PP2060.06 / PP2061.06	32	1 1/4"	180	234	112
PP2060.07 / PP2061.07	40	1 1/2"	200	240	112
PP2060.08 / PP2061.08	50	2"	230	248	112



PP2060 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max	PP2060	kg	
1/2"	15	-1	16	4	8	63	98	-10	180	PTFE	PP2060.03	3.500
3/4"	20	-1	16	4	8	63	170	-10	180	PTFE	PP2060.04	3.790
1"	25	-1	16	4	8	63	305	-10	180	PTFE	PP2060.05	4.270
1 1/4"	32	-1	16	4	8	80	460	-10	180	PTFE	PP2060.06	7.000
1 1/2"	40	-1	16	4	8	80	750	-10	180	PTFE	PP2060.07	8.700
2"	50	-1	16	4	8	80	1050	-10	180	PTFE	PP2060.08	9.650

PP2061 Serie Normally Open

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
Order No	mm	min	max	min	max	Ø	lt/min	min	max	PP2061	kg	
1/2"	15	-1	10	4	8	63	98	-10	180	PTFE	PP2061.03	3.500
3/4"	20	-1	10	4	8	63	170	-10	180	PTFE	PP2061.04	3.790
1"	25	-1	8	4	8	63	305	-10	180	PTFE	PP2061.05	4.270
1 1/4"	32	-1	8	4	8	80	460	-10	180	PTFE	PP2061.06	7.000
1 1/2"	40	-1	6	4	8	80	750	-10	180	PTFE	PP2061.07	8.700
2"	50	-1	6	4	8	80	1050	-10	180	PTFE	PP2061.08	9.650

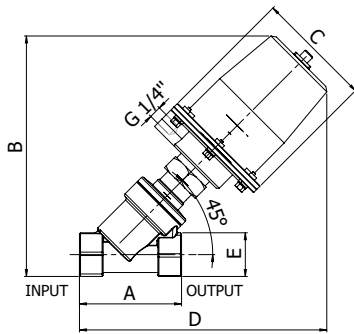
* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

High Pressure Pneumatic Piston Valves

PP 2070 Arctic (-50°) Serie

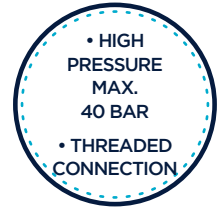
Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



Type	DN		A	B	C	D	E
	mm	Ø					
PP2070.03	15	1/2"	72	188	110	210	30
PP2070.04	20	3/4"	81	195	110	215	36
PP2070.05	25	1"	97	197	110	215	42

NORMALLY CLOSED



PP2070 Serie



PP2070 Serie Normally Closed

Connection Size	Orifice Size	Working Pressure*		Pilot Pressure		Control Cylinder	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm	mm	mm	mm			°C	°C			
G"	mm	min	max	min	max	Ø	lt/min	min	max		PP2070	kg
1/2"	15	-1	40	4	8	80	98	-10	180	PTFE	PP2070.03	3.400
3/4"	20	-1	30	4	8	80	170	-10	180	PTFE	PP2070.04	3.680
1"	25	-1	20	4	8	80	305	-10	180	PTFE	PP2070.05	4.150

Pneumatic Piston Valves

Open - Close Control



TORK Solenoid Valve
S1015 1/4" - 3/2"

Figure 1

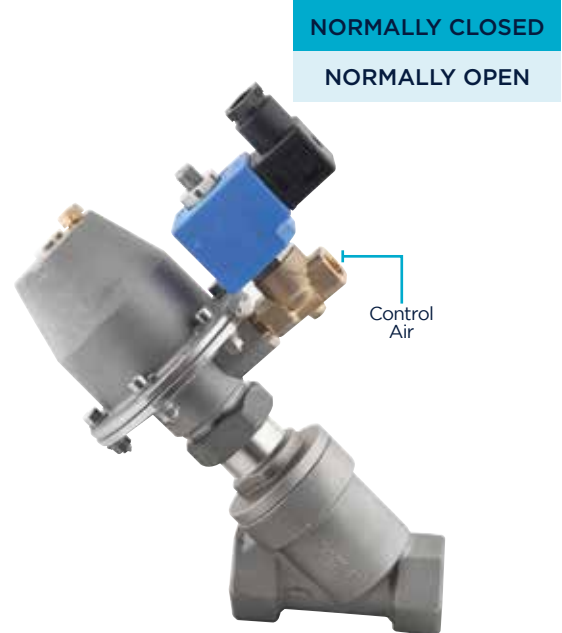
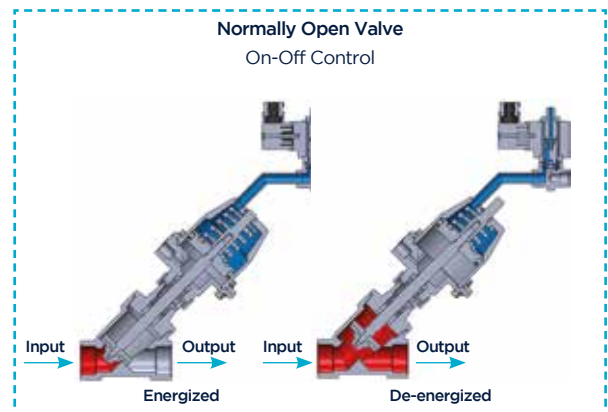
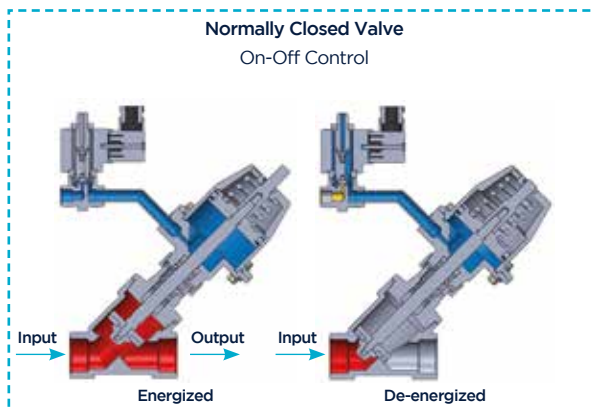


Figure 2



Open- Close Control

TORK Pneumatic Piston Valves, required for on-off control

- a) 1/4" - 3/2 way solenoid valve
- b) 6 bar filtered basmgh air

The valve does not allow the fluid to pass in the Normally Closed position. The 1/4"-3/2 solenoid valve, which is connected to the valve actuator, is supplied with 6 bar of compressed air. When electrical energy is supplied to the coil of the solenoid valve, the compressed air enters into the actuator and moves the valve to the Normally Open position.

When power is cut through the coil, the valve returns to its initial position. Normally closed valve operation is shown in Figure 3; normally open valve operation is shown in Figure 4. Since the valve is open in the first position, it allows the fluid to pass through. The coil is energized and the valve is closed (Figure 3). When the electricity is switched off, the valve returns to the position shown in Figure 4.

Connection Size	Way	Working Pressure	Valve Type/ Order No	Coil Voltage and Type
G"		bar	S1015	
1/4"	3/2	0-8	S1015.01	Special Coil Voltage

* Specify the type of valve and coil in the order.

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

Proportional Control in Pneumatic Piston Valves

Application Areas

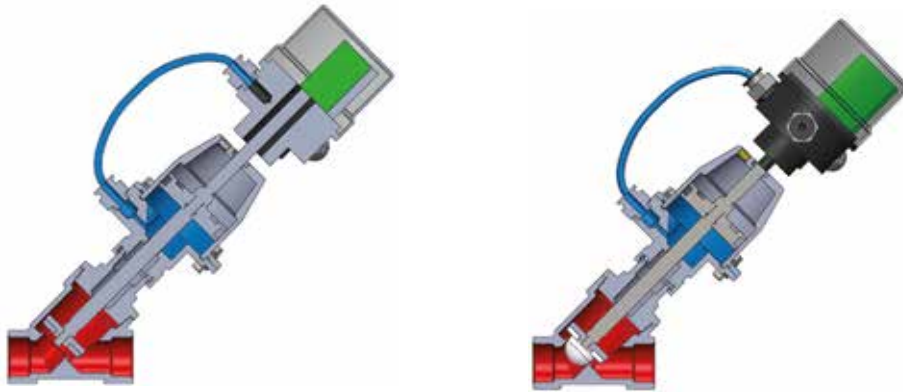
Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

TORK Pneumatic Piston Valves can be controlled proportionally. In proportional valves, the orifice shaft sit is made in a special form. Therefore, it should be stated that the valve will be used proportionally in the orders.

Technical Features

- Pilot Air Pressure** : 4-8 bar
- Environment Temperature** : 0...50 °C
- Electrical Protection Voltage** : IP66 (EN 60529)
- Setpoint** : 0-10 V
- Current Setpoint** : 4-20 mA
- Supply Voltage** : 24 VDC 10%
- Coupling Connection Dimensions** : G 1/8"

NORMALLY CLOSED



PPR80 Serie Proportional Piston Valves (Normally Closed)

Connection Size	Orifice Size	Working Pressure*		Actuator Type	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max			°C min	°C max			
G" (BSP)	mm			mm	lt/min				PP1080	kg
1/2"	15	-1	16	63	98	-10	180	PTFE	PP1080.03	2.800
3/4"	20	-1	12	63	170	-10	180	PTFE	PP1080.04	3.000
1"	25	-1	8	63	305	-10	180	PTFE	PP1080.05	3.300
1 1/4"	32	-1	12	80	460	-10	180	PTFE	PP1080.06	4.500
1 1/2"	40	-1	8	80	750	-10	180	PTFE	PP1080.07	5.850
2"	50	-1	6	80	1050	-10	180	PTFE	PP1080.08	6.350

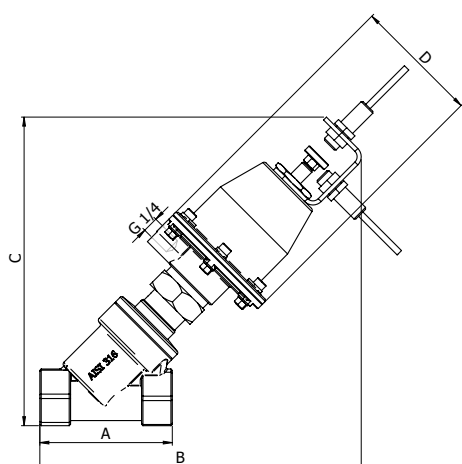
For Proportional Control; Linear Electro - Pneumatic Positioner

Type/ Order No	Description	Proportional Valve Type
PP 1080 Linear Positioner	Input: 4-20mA 4-8 bar compressed supply air	It should be stated that the Proportional Valves will use proportionally.

Limit Switch Box Assembled Pneumatic Piston Valves

Application Areas

Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid



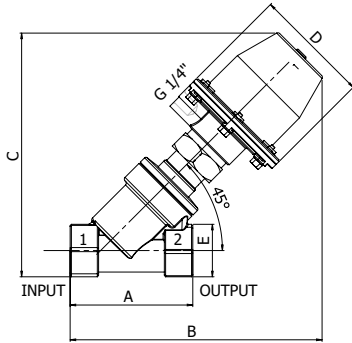
Type	DN		A mm	B mm	C mm	D mm
	mm	Ø				
PP1020.03 XX / PP1021.03 XX	15	1/2"	72	232	96	30
PP1020.04 XX / PP1021.04 XX	20	3/4"	81	236	96	36
PP1020.05 XX / PP1021.05 XX	25	1"	97	240	96	42
PP1020.06 XX / PP1021.06 XX	32	1 1/4"	112	289	112	51
PP1020.07 XX / PP1021.07 XX	40	1 1/2"	127	299	112	61
PP1020.08 XX / PP1021.08 XX	50	2"	142	315	112	71

XX	Description
1P	1 proximity switch
2P	2 proximity switch
1E	1 Ex-proof proximity switch
2E	2 Ex-proof proximity switch

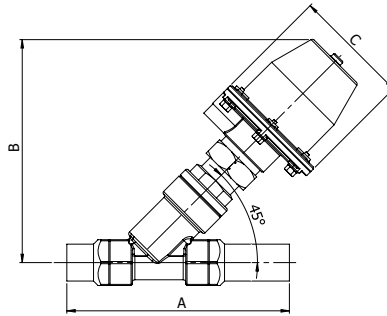


When contact position is requested in the open positions and closed positions of the piston valves, the limit switch is placed on the actuator. These switches consist of proximity sensors.

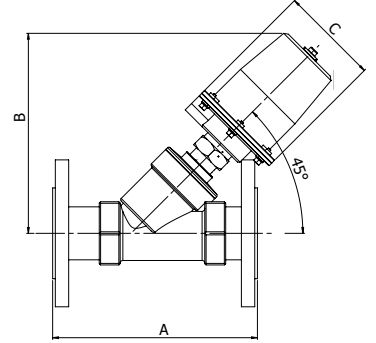
Spare Parts



PP 1020

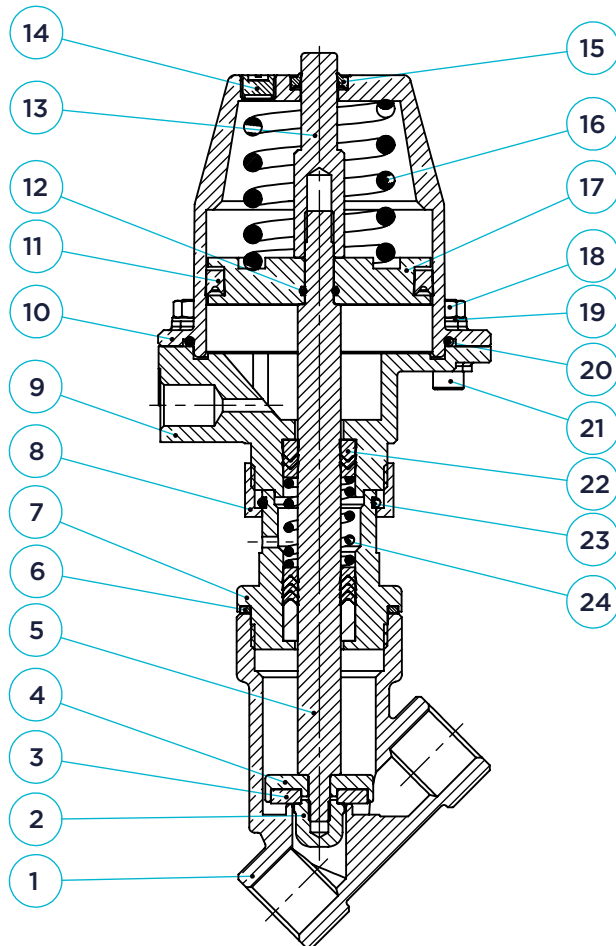


PP 1040



PP 1060

Specify valve type number, size, part name and number for spare parts in orders.



24	SPRING
23	SEEGER
22	GROUP SEAL RING
21	NUT
20	O-RING
19	WASHER
18	SCREW
17	PISTON
16	SPRING
15	O-RING
14	FILTER
13	INDICATOR
12	O-RING
11	HYDROULIC SEAL
10	CYLINDER
9	CONNECTION
8	NUT
7	STEAM GUIDE
6	SEAL
5	SPINDLE
4	GASKET HOLDER
3	SEAL
2	NUT
1	BADY
NO	PART NAME

Flanged Connected Pneumatic Piston Valves PP1196-1197 Series

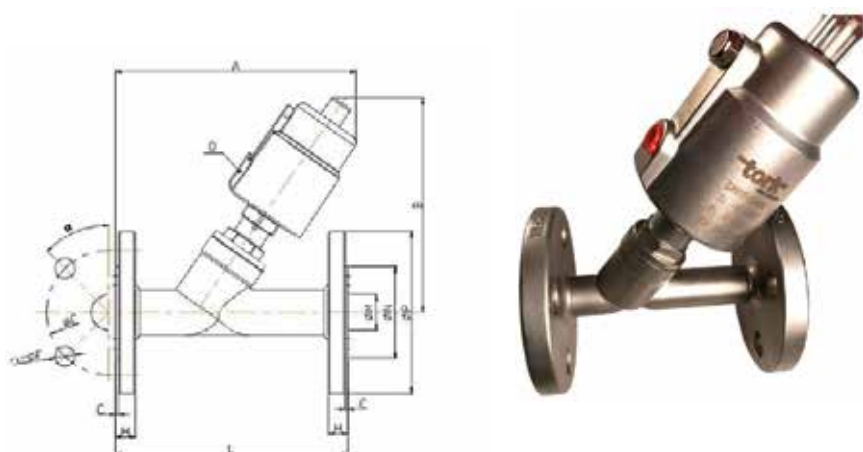
APPLICATIONS

Water, Air, Steam, Gas, Chemicals, Petroleum Products, Food, Pharmaceutical Industry, Sterile Environment, Purification, Dyeing Machines, Packaging Machines, Drinking Water Stations, Vacuum Applications, Oil, Petroleum, Alcohol, Hydraulic.

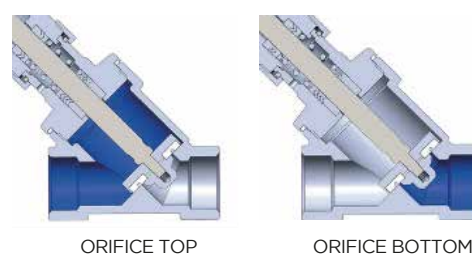
Thanks to its TEFLON gasket, it can operate at -10+180C fluid temperatures.

NORMALLY CLOSED

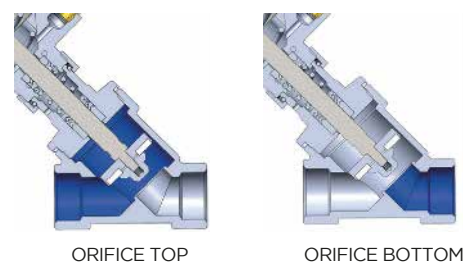
NORMALLY OPEN



PP1068 SERIES- NC



PP1069 SERIES-NO



SIZE		Control Cylinder	A	B	L
DN15	1/2	50	145	140	130
DN20	3/4	50	165	140	150
DN25	1	50	170	145	160
		63	190	175	160
DN32	1 1/4	63	190	188	180
		90	230	235	180
DN40	1 1/2	63	206	190	200
		90	250	240	200
DN50	2	63	235	195	230
		90	277	245	230
		125 AL	330	310	230
DN65	2 1/2	90	330	280	290
		125 AL	375	330	290
DN80	3	125 AL	380	355	310
DN100	4	125 AL	420	395	350

* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.

PP1196 Series Normally Closed- Orifice Top Entry

Connection Size		Orifice Size	Kv (m ³ /h)	Control Cylinder	Working Pressure (bar)	Pilot Pressure (bar)	Valve Type/ Order No	Weight (kg)
1/2	DN15	13	4,7	50	0-16	3-8	PP1196.03.050	2,36
3/4	DN20	18	9,5	50	0-16	3-8	PP1196.04.050	2,89
1	DN25	24	18,1	50	0-16	3-8	PP1196.05.050	3,45
				63	0-16	3-8	PP1196.05.063	5,50
1 1/4	DN32	31	23,1	63	0-16	3-8	PP1196.06.063	5,70
				90	0-16	3-8	PP1196.06.090	8,00
1 1/2	DN40	35	32,9	63	0-16	3-8	PP1196.07.063	6,50
				90	0-16	3-8	PP1196.07.090	9,00
2	DN50	45	52,8	63	0-9	3-8	PP1196.08.063	8,00
				90	0-16	3-8	PP1196.08.090	9,71
				125 AL	0-16	3-8	PP1196.08.125	13,00
2 1/2	DN65	61	82,6	90	0-10	3-8	PP1196.09.090	12,83
				125 AL	0-16	3-8	PP1196.09.125	14,70
3	DN80	80	127	125 AL	0-12	3-8	PP1196.10.125	21,59

PP1068 Series Normally Closed- Orifice Bottom Entry

4	DN100	90	132	125 AL	0-2,5	3-8	PP1196.11.125	25
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PP1197 Series Normally Open- Orifice Top Entry

Connection Size		Orifice Size	Kv (m ³ /h)	Control Cylinder	Working Pressure (bar)	Pilot Pressure (bar)	Valve Type/ Order No	Weight (kg)
1/2	DN15	13	4,7	50	0-16	> 3	PP1197.03.050	2,36
3/4	DN20	18	9,5	50	0-12	> 3	PP1197.04.050	2,89
1	DN25	24	18,1	50	0-3	> 3	PP1197.05.050	3,45
				63	0-16	> 4.5	PP1197.05.063	5,50
1 1/4	DN32	31	23,1	63	0-14	> 4.5	PP1197.06.063	5,70
1 1/2	DN40	35	32,9	63	0-14	> 4.5	PP1197.07.063	6,50
2	DN50	45	52,8	63	0-6	> 4.5	PP1197.08.063	8,00

PP1197 Series Normally Open- Orifice Bottom Entry

3	DN80	80	127	125	0-12	2,5-7	PP1197.10.125	21,59
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tork

valve & automation

PISTONLU VANA / MART 2024 / REV01-EN

HEAD OFFICE Bostancı Yolu Cad, Kuru Sok, No16 Y. Dudullu, 34776 Ümraniye İstanbul - TURKEY

P +90 216 364 34 05

F +902163643757

FACTORY Çerkeşli OSB Mah. İMES OSB 2. Cadde No:5 Dilovası/KOCAELİ - TURKEY

P +90 262 290 20 20

F +90 262 290

SMS Sanayi Malzemeleri Üretim ve Satışı A.Ş.

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