



NR Y

NR T

**ANGLE SEAT OR RIGHT ANGLE
PISTON VALVE**

**VALVOLA A TAMPONE
INCLINATA O CON PASSAGGIO A SQUADRO**

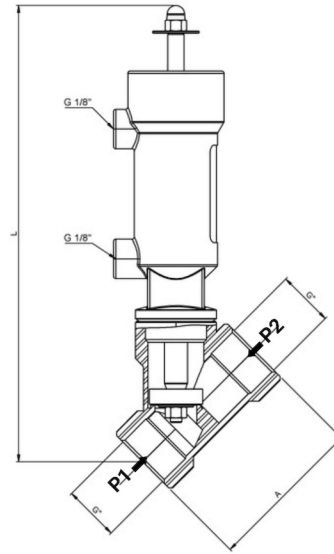
 Heat-stabilized nylon PA66 cilinder
Cilindro in nylon PA66 stabilizzato

 Fluid control up to + 80° C
Controllo fluidi fino a + 80° C

 Valve status indicator
Segnalatore stato valvola

Type / Tipo	Angle seat or right angle piston valve Valvola a tampone a sede inclinata o con passaggio a squadro
Sizes / Misure	1/2" – 2" (PN16)
Pipe threads / Attacchi	F/F gas ISO228
Available versions / Versioni disponibili	Normally Closed NC, Normally Open NO, Double Action DA Normalmente chiusa NC, Normalmente aperta NA, Doppio Effetto DE
Flow type / Tipo di flusso	Unidirectional flow 1→2 Flusso unidirezionale 1→2
Ambient temperature / Temperatura ambiente	-20°/+60°C
Pilot pressure / Pressione di lavoro	Min 4.0 bar – Max 8.0 bar
Valve body Corpo valvola	Brass / Ottone
Spacer / Distanziale cilindro	No
Otturatore/ Seal holder	Brass / Ottone
Piston / Pistone	Aluminium / Alluminio
Cylinder / Cilindro	Heat-stabilized PA66 Nylon / Nylon PA66 stabilizzato
Piston rod / Stelo	Stainless steel Aisi 304 / Inox Aisi 304
Rod wiper / Raschiatore	No
Rod guide / Guida stelo	No
Internal o-rings / O-ring interni	FKM
Shutter seal / Guarnizione otturatore	FKM
Valve status indicator / Segnalazione stato valvola	Stem / Stelo superiore
Upon request / Su Richiesta	
PTFE or EPDM Shutter seal / Guarnizione otturatore in PTFE o EPDM	

PISTON VALVES / VALVOLE A TAMPONE



$$\Delta P = P1 - P2$$

NR Y - NC Closing against flow / NR Y - NC Ingresso fluido sotto otturatore

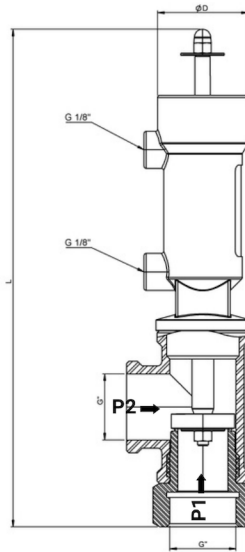
Code Codice	Gas pipe thread Filett. (gas) G"	DN	A [mm]	L max [mm]	D [mm]	Ø cylinder cilindro [mm]	Δp Max [bar]	Kv(*) [m³/h]
161012	1/2"	15	56	216	41.5	30	13.9	3.6
161034	3/4"	20	68	211	41.5	30	6.5	5.6
161100	1"	25	78	221	41.5	30	4.3	9.5
161114	1"1/4"	32	100	242	41.5	30	2.6	15.1
161112	1"1/2"	40	110	257	46.5	33	2.1	24.8
161200	2"	50	124	282	46.5	33	1.2	44.2

NR Y - NO Closing against flow NR Y - NA Ingresso fluido sotto otturatore

Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	Pilot Pressure / Pressione Pilota [bar]					
				4.0	5.0	5.5	6.0	7.0	8.0
				ΔP Max [bar]					
162012	1/2"	15	30	6.2	11.3	13.9	<16.0	<16.0	<16.0
162034	3/4"	20	30	2.5	5.0	6.2	7.4	9.9	12.4
162100	1"	25	30	1.5	3.0	3.8	4.6	6.1	7.6
162114	1"1/4"	32	30	1.2	2.1	2.6	3.0	3.9	4.8
162112	1"1/2"	40	33	0.5	1.2	1.6	2.0	2.8	3.5
162200	2"	50	33	0.3	0.7	0.9	1.1	1.6	2.0

NR Y - DA Closing against flow NR Y - DE Ingresso fluido sotto otturatore

Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	Pilot Pressure / Pressione Pilota [bar]					
				4.0	5.0	5.5	6.0	7.0	8.0
				ΔP Max [bar]					
163012	1/2"	15	30	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
163034	3/4"	20	30	8.1	10.6	11.8	13.0	15.5	<16.0
163100	1"	25	30	5.0	6.5	7.2	8.0	9.5	11.0
163114	1"1/4"	32	30	2.9	3.8	4.3	4.7	5.6	6.5
163112	1"1/2"	40	33	2.6	3.4	3.8	4.1	4.9	5.7
163200	2"	50	33	1.5	1.9	2.1	2.3	2.8	3.2



$$\Delta P = P1 - P2$$

NR T - NC Closing against flow / NR T - NC Ingresso fluido sotto otturatore

Code Codice	Gas pipe thread Filett. (gas) G"	DN	L max [mm]	Ø D [mm]	Ø cylinder cilindro [mm]	Δp Max [bar]	Kv(*) [m³/h]
151012	1/2"	15	227	41.5	30	11.9	4.9
151034	3/4"	20	231	41.5	30	7.1	5.5
151100	1"	25	242	41.5	30	4.1	9.7
151114	1"1/4	32	255	41.5	30	2.4	16.1
151112	1"1/2	40	277	46.5	33	2.1	23.0
151200	2"	50	298	46.5	33	1.3	34.8

NR T - NA. Ingresso fluido sotto otturatore/ NR T - NO. Closing against flow

Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	Pilot Pressure / Pressione Pilota [bar]					
				4.0	5.0	5.5	6.0	7.0	8.0
				ΔP Max [bar]					
152012	1/2"	15	30	5.2	10.3	12.9	15.4	<16.0	<16.0
152034	3/4"	20	30	2.5	5.3	6.7	8.1	10.9	13.6
152100	1"	25	30	1.8	3.3	4.1	4.9	6.4	7.9
152114	1"1/4	32	30	1.3	2.2	2.7	3.1	4.0	4.9
152112	1"1/2	40	33	0.5	1.2	1.6	2.0	2.8	3.5
152200	2"	50	33	0.5	0.9	1.1	1.3	1.8	2.2

NR T - DE. Ingresso fluido sotto otturatore NR T - DA. Closing against flow

Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	Pilot Pressure / Pressione Pilota [bar]					
				4.0	5.0	5.5	6.0	7.0	8.0
				ΔP Max [bar]					
153012	1/2"	15	30	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
153034	3/4"	20	30	9.1	11.9	13.2	14.6	<16.0	<16.0
153100	1"	25	30	5.0	6.5	7.2	8.0	9.5	11.0
153114	1"1/4	32	30	2.9	3.8	4.3	4.7	5.6	6.5
153112	1"1/2	40	33	2.6	3.4	3.8	4.1	4.9	5.7
153200	2"	50	33	1.5	1.9	2.1	2.3	2.8	3.2

*The flow coefficient KV represents the volume flow rate of water passing through the valve under the following conditions:
Il coefficiente di portata KV rappresenta la portata in volume di acqua che passa attraverso la valvola alle condizioni seguenti:
ΔP = 1 [bar]; T = 5÷40 [°C]; density/densità = 1000 [kg/m³]