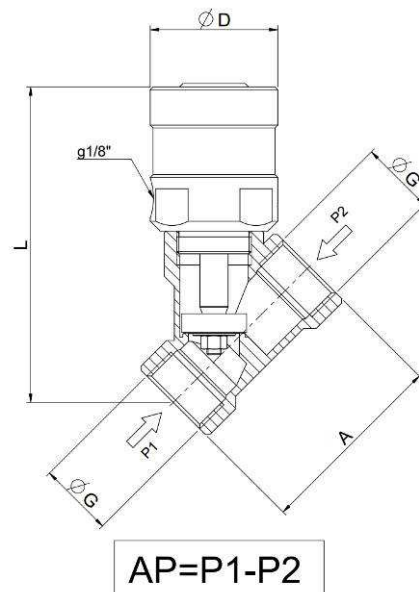


FLUXA YCXA

COMPACT ANGLE SEAT VALVE

Max fluid temperature

+100°C



AP=P1-P2

Sizes	1/2" - 3/4" - 1" (PN40)
Pipe threads	F/F gas ISO228
Normally closed (NC)	yes cod. 51...YCXA
Normally open (NO)	yes cod. 52...YCXA
Double acting (DA)	yes cod. 53...YCXA
Ambient temperature	-20° / +60°C
Pilot pressure	Min 4.5 bar - Max 8 bar
Valve body	Stainless steel aisi 316
Spacer	yes
Rotable cylinder	yes
Seal holder	Stainless steel
Piston	Aluminium
Cylinder	Nichel-plated aluminium
Piston rod	Stainless steel aisi 304
Rod wiper	yes (except 1/2")
Rod guide	not
Internal o-rings	Fkm
Shutter seal	Fkm (on request Ptfе, Epdm)

On request:

Stem for visual indication	not
Atex certification	not

FLUXA-YCXA-NC-Closing against flow

Codice Code	Filett. [gas] gas pipe thread	DN	A	L	D	Ø cilindro Ø cylinder	ΔP Max [bar]	V.ARIA ⁽¹⁾ [NI/ciclo] V.AIR ⁽¹⁾ [NI/stroke]	k _v ⁽²⁾ [m ³ /h]	Peso [Kg] Mass [kg]
51012YCXA	1/2"	15	60	112	45	35	10.0	0.0240	2.9	0.446
51034YCXA	3/4"	20	74	128	45	35	5.1	0.0257	5.3	0.607
51100YCXA	1"	25	94	147	50	40	6.4	0.0434	9.3	1.005

FLUXA-YCXA-NO-Closing against flow

Codice Code	Filett. [gas] gas pipe thread	DN	Press. Pilota Minima / Min. Pilot Pressure [bar]						V.ARIA ⁽¹⁾ [NI/ciclo] V.AIR ⁽¹⁾ [NI/stroke]	k _v ⁽²⁾ [m ³ /h]
			4.0	5.0	5.5	6.0	7.0	8.0		
			ΔP Max [bar]							
52012YCXA	1/2"	15	10.6	17.8	21.4	25.0	32.2	39.4	0.0225	2.8
52034YCXA	3/4"	20	5.0	8.5	10.2	11.9	15.4	18.9	0.0244	5.1
52100YCXA	1"	25	5.8	8.6	10.0	11.4	14.3	17.1	0.0629	10.2

FLUXA-YCXA-NC-Z-Closing with flow

(water hammer risk with not-compressible fluids)

Codice Code	Filett. [gas] gas pipe thread	DN	ΔP [bar]						V.ARIA ⁽¹⁾ [NI/ciclo] V.AIR ⁽¹⁾ [NI/stroke]
			1.0	5.0	10.0	20.0	30.0	40.0	
			Press. Pilota Minima / Min. Pilot Pressure [bar]						
51012YCAZ	1/2"	15	2.3	2.5	2.8	3.3	3.8	4.3	0.0240
51034YCAZ	3/4"	20	2.5	3.3	4.3	6.2	8.2	-	0.0257
51100YCAZ	1"	25	1.6	4.1	7.3	-	-	-	0.0434

(1) → The air-consumption (V.AIR) is calculated assuming that the air inside the cylinder expands adiabatically from a pressure of 5,5 [bar] to atmospheric pressure (Patm = 1,01325 [bar], at the temperature of 20°C)

(2) → The flow factor K_v is the flow rate of water in cubic metres per hour at a pressure drop of one bar across the valve, with temperature ranging = 5-30°C and density = 1000 kg/m³.

FLUXA-YCXA-DA-Closing against flow

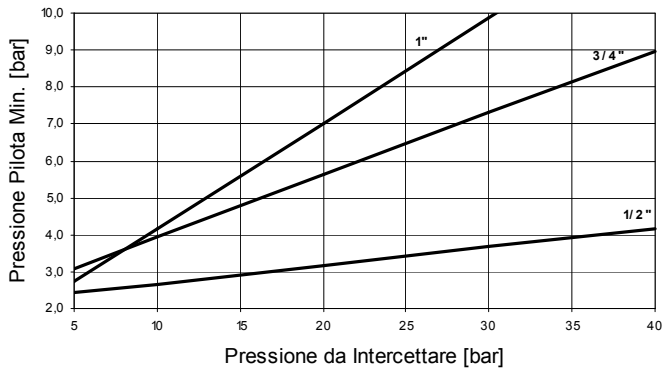
Codice Code	Filett. [gas] gas pipe thread	DN	Press. Pilota Minima / Min. Pilot Pressure [bar]						V.ARIA ⁽¹⁾ [NI/ciclo] V.AIR ⁽¹⁾ [NI/stroke]	k _v ⁽²⁾ [m ³ /h]
			4.0	5.0	5.5	6.0	7.0	8.0		
53012YCXA	1/2"	15	25.5	32.7	36.3	39.9	<40	<40	0.0502	2.9
53034YCXA	3/4"	20	12.3	15.8	17.5	19.3	22.7	26.2	0.0537	5.3
53100YCXA	1"	25	10.4	13.2	14.6	16.1	18.9	21.7	0.0897	9.3

FLUXA-YCXA-DA-Closing with flow

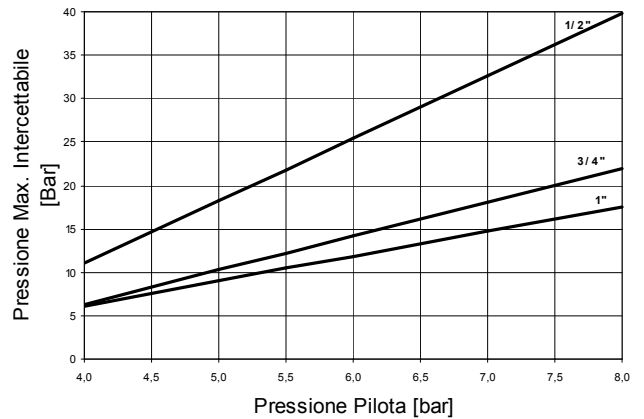
(water hammer risk with not-compressible fluids)

Codice Code	Filett. [gas] gas pipe thread	DN	ΔP [bar]						V.ARIA ⁽¹⁾ [NI/ciclo] V.AIR ⁽¹⁾ [NI/stroke]
			1.0	5.0	10.0	20.0	30.0	40.0	
53012YCXA	1/2"	15	0.5	0.7	1.0	1.5	2.0	2.5	0.0502
53034YCXA	3/4"	20	0.7	1.4	2.4	4.4	6.4	8.4	0.0537
53100YCXA	1"	25	0.6	1.8	3.2	6.1	8.9	-	0.0897

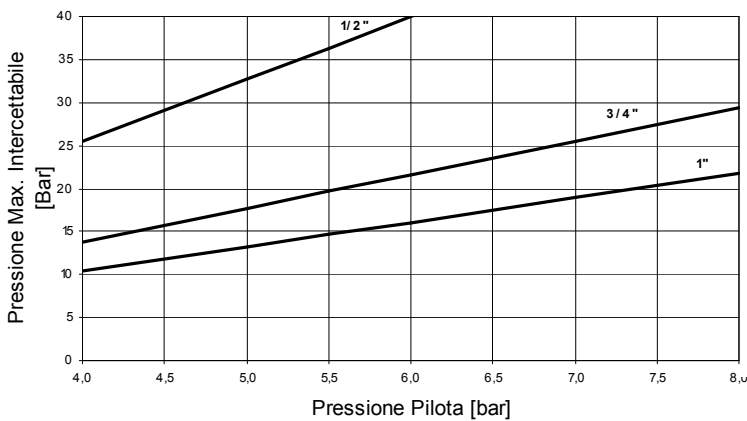
FLUXA-YCXA-NC-Z-Ingresso sopra otturatore
FLUXA-YCXA-NC-Z-Closing with flow



FLUXA-YCXA-NA-Ingresso sopra otturatore
FLUXA-YCXA-NO-Closing with flow



FLUXA-YCXA-DE-Ingresso sotto otturatore
FLUXA-YCXA-DA-Closing against flow



FLUXA-YCXA-DE-Ingresso sopra otturatore
FLUXA-YCXA-DA-Closing with flow

