ANGLE SEAT STAINLESS STEEL BODY VALVE
VALVOLA A SEDE INCLINATA CORPO INOX

Fluid and steam control up to + 187° C
Controllo fluidi e vapore fino a + 187° C

Internal springs designed for high frequency drive up to 10 M cycles*
Molle interne progettate per alta frequenza di azionamento fino a 10 M di cicli *

Swiveling cylinder
Cilindro orientabile

No wrench needed for cylinder orientation
Cilindro orientabile senza uso di chiave inglese

Valve status indicator (NC only)
Segnalatore stato valvola (solo NC)

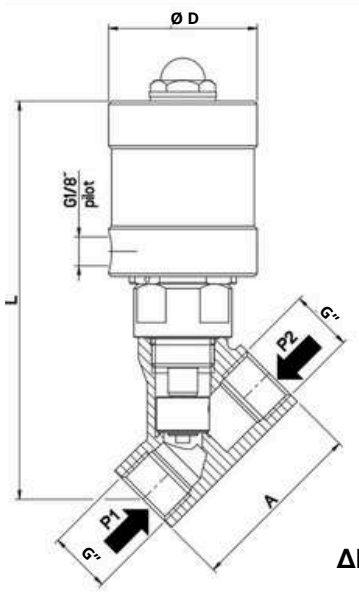
Self-lubricated rod guide (seizure prevention)
Autolubrificazione guida stelo (prevenzione grippaggio)

Atex certification upon request
Certificazione Atex su richiesta

**Based on MAROS engineering's tests*
Test effettuati da MAROS engineering

Type / Tipo	**Angle seat valve /Valvola a sede inclinata**
Size /Misure	1/2" – 2" (PN40)
Pipe threads /Attacchi	F/F gas ISO228
Available versions/ Versioni disponibili	Normally Closed NC, Normally Open (NO) Double acting (DA) Normalmente Chiusa (NC) Normalmente Aperta (NA) Doppio Effetto (DE)
Flow type / Tipo di flusso	Bidirectional / Bidirezionale
Ambient temperature / Temperatura ambiente	-20°/+80°C
Pilot pressure / Pressione pilota	Min 4.0 bar – Max 8.0 bar
Valve body / Corpo valvola	Stainless steel Aisi 316 / Acciaio inox Aisi 316
Swiveling cylinder / Cilindro orientabile	Yes / Si
Seal holder / Otturatore	Stainless steel Aisi 316 / Acciaio inox Aisi 316
Piston / Pistone	Aluminium / Alluminio
Cylinder / Cilindro	Anodized aluminium / Alluminio anodizzato
Piston rod / Stelo	Stainless steel Aisi 304 / Acciaio inox Aisi 304
Rod wiper / Raschiatore	Yes /Si
Rod gasket / Guarnizione stelo	Spring loaded V-Ring seal / Pacco V-Ring con molla di precarico
Shutter seal / Guarnizione otturatore	PTFE
Valve status signal / Segnalazione stato valvola	Visual indicator (NC only) / Indicatore visivo (solo NC)
UPON REQUEST / SU RICHIESTA	
Atex Certification / Certificazione ATEX	
Inductive sensor switch box / Switch-box a sensori induttivi	
Cylinder Nickel-plating (Niploy Process) / Nichelatura chimica del cilindro (Processo Niploy)	
FKM or EPDM shutter seal / Guarnizione otturatore in FKM o EPDM	

STEAM AND HIGH TEMPERATURE / VAPORE E ALTE TEMPERATURE



ΔP = P1-P2

SRX - NC Closing against flow / SRX - NC Ingresso fluido sotto otturatore								
Code Codice	**Gas pipe thread Filett. Gas G"**	**DN**	**A [mm]**	**L max [mm]**	**Ø D [mm]**	**Ø cylinder cilindro [mm]**	**Δp Max [bar]**	**Kv (*) [m³/h]**
X1012001	1/2"	15	60	134	50	40	18.0	3.7
X1012011	1/2"	15	60	154	60	50	31.4	3.7
X1034001	3/4"	20	74	167	50	40	8.5	7.6
X1034011	3/4"	20	74	167	60	50	17.5	7.6
X1034021	3/4"	20	74	183	70	60	29.2	7.6
X1100011	1"	25	94	182	60	50	8.5	13.8
X1100021	1"	25	94	198	70	60	15.5	13.9
X1100031	1"	25	94	213	94	80	29.2	14.4
X1114021	1"1/4	32	100	202	70	60	7.7	25.5
X1114031	1"1/4	32	100	218	94	80	16.5	24.3
X1114041	1"1/4	32	100	252	129	110	27.6	25.5
X1112031	1"1/2	40	110	227	94	80	9.3	37.2
X1112041	1"1/2	40	110	261	129	110	19.5	39.5
X1200031	2"	50	124	241	94	80	5.4	64.5
X1200041	2"	50	124	276	129	110	11.0	68.4

**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]

Ordering Key / Chiave di ordinazione				
X = Modello valvola / Valve Model				
Attuatore Actuator	**Dimensione Tubo Pipe Size BSP**	**Trattamento superficiale Surface treatment**	**Alesaggio Cylinder bore**	**Guarnizione otturatore Shutter seal**
	012 – g 1/2"			0 – FKM
1 – NC /NC	034 – g 3/4"	0 – Ossidazione anodica Anodized oxidation	0 – Ø40	
	100 – g 1"		1 – Ø50	1 – PTFE
2 – NA /NO	114 – g 1"1/4		2 – Ø60	
	112 – g 1"1/2	1 – Nichelatura chimica Nickel surface	3 – Ø80	2 - EPDM
3 – DE /DA	200 – g 2"		4 – Ø110	

Example: X3100121 - Model Valve SRX, DA Actuator, 1" BSP, Nickel surface treatment, Cylinder Bore 60, Gasket PTFE.

Esempio: X3100121 - Valvola modello SRX, Attuatore DE, 1", Nichelatura chimica superficiale, Cilindro alesaggio 60, Guarnizione PTFE.

STEAM AND HIGH TEMPERATURE / VAPORE E ALTE TEMPERATURE

SRX -NC Closing with flow ** / SRX - NC Ingresso fluido sopra otturatore **									
				1	5	10	20	30	40
Code Codice	Gas pipe thread Filett. Gas G"	DN	Ø cylinder cilindro [mm]	Minimum Pilot Pressure [bar] /Pressione Pilota Minima [bar]					
X1012001	1/2"	15	40	2.4	3.0	3.5	4.0	-	-
X1012011	1/2"	15	50	3.4	3.7	4.0	4.2	-	-
X1034011	3/4"	20	50	2.6	3.2	3.5	4.5	-	-
X1034021	3/4"	20	60	3.3	3.7	4.3	5.4	-	-
X1100011	1"	25	50	3.0	4.2	5.2	7.7	-	-
X1100021	1"	25	60	2.8	3.5	4.2	5.5	-	-
X1100031	1"	25	80	2.9	3.3	3.7	4.3	-	-
X1114021	1"1/4	32	60	2.9	4.3	5.5	8.7	-	-
X1114031	1"1/4	32	80	3.3	4.1	4.7	6.6	-	-
X1114041	1"1/4	32	110	3.3	3.7	3.8	4.9	-	-
X1112031	1"1/2	40	80	3.0	4.1	5.3	8.0	-	-
X1112041	1"1/2	40	110	2.9	3.6	4.2	5.3	-	-
X1200031	2"	50	80	2.9	4.6	6.7	-	-	-
X1200041	2"	50	110	2.9	3.9	5.1	7.6	-	-

** *Water hammer risk with not-compressible fluids. / Rischio colpo d'ariete con fluidi non comprimibili.*

SRX - NO Closing against flow / SRX - NA Ingresso fluido sotto otturatore									
				Pilot Pressure [bar] / Press. Pilota [bar]					
				4.0	5.0	5.5	6.0	7.0	8.0
Code Codice	Filett. gas Gas pipe thread G"	DN	Ø cylinder cilindro [mm]	ΔP Max [bar]					
X2012001	1/2"	15	40	16.8	25.3	29.0	33.6	<40	<40
X2012011	1/2"	15	50	32.3	<40	<40	<40	<40	<40
X2034011	3/4"	20	50	14.1	20.4	23.5	27.4	34.5	<40
X2034021	3/4"	20	60	25.2	34.1	38.6	<40	<40	<40
X2100011	1"	25	50	8.8	12.6	14.5	16.4	20.2	23.9
X2100021	1"	25	60	14.7	20.1	22.8	25.5	31.0	36.4
X2100031	1"	25	80	27.2	36.9	<40	<40	<40	<40
X2114021	1"1/4	32	60	7.6	10.4	11.8	13.2	16.0	18.8
X2114031	1"1/4	32	80	14.4	19.4	21.9	24.4	29.4	34.4
X2114041	1"1/4	32	110	31.3	<40	<40	<40	<40	<40
X2112031	1"1/2	40	80	10.0	13.5	15.3	17.1	20.6	24.2
X2112041	1"1/2	40	110	21.9	28.6	31.9	35.3	<40	<40
X2200031	2"	50	80	5.8	7.8	8.8	9.9	11.9	14.0
X2200041	2"	50	110	13.5	18.1	20.5	23.0	28.2	32.8

SRX - DA Closing against flow / SRX - DE Ingresso fluido sotto otturatore									
				Pilot Pressure [bar] / Pressione Pilota [bar]					
Code Codice	Gas pipe thread Filett. gas G"	DN	Ø cylinder cilindro [mm]	4.0	5.0	5.5	6.0	7.0	8.0
				ΔP Max [bar]					
X3012001	1/2"	15	40	32.0	<40	<40	<40	<40	<40
X3012011	1/2"	15	50	<40	<40	<40	<40	<40	<40
X3034011	3/4"	20	50	30.2	35.3	<40	<40	<40	<40
X3034021	3/4"	20	60	38.9	<40	<40	<40	<40	<40
X3100011	1"	25	50	13.6	17.0	19.0	19.8	28.8	32.9
X3100021	1"	25	60	20.1	28.5	30.2	33.8	38.9	<40
X3100031	1"	25	80	<40	<40	<40	<40	<40	<40
X3114021	1"1/4	32	60	11.3	14.1	15.5	16.9	19.7	22.5
X3114031	1"1/4	32	80	17.0	20.0	26.0	33.8	39.4	<40
X3114041	1"1/4	32	110	37.8	<40	<40	<40	<40	<40
X3112031	1"1/2	40	80	14.2	17.7	19.5	21.3	24.8	25.9
X3112041	1"1/2	40	110	26.8	32.5	36.1	39.8	<40	<40
X3200031	2"	50	80	8.2	10.2	11.3	12.3	14.3	16.4
X3200041	2"	50	110	15.5	19.4	21.3	23.2	28.2	32.8

SRX - DA Closing with flow / SRX - DE Ingresso fluido sopra otturatore **									
				ΔP [bar]					
Code Codice	Filett. (gas) Gas pipe thread G"	DN	Ø cylinder cilindro [mm]	1	5	10	20	30	40
				Minimum Pilot Pressure / Pressione Pilota Minima [bar]					
X3012001	1/2"	15	40	>2	>2	>2	>2	-	-
X3034011	3/4"	20	50	>2	>2	>2	>2	-	-
X3100011	1"	25	50	>2	>2	2.2	5.7	-	-
X3100021	1"	25	60	>2	>2	>2	3.2	-	-
X3114021	1"1/4	32	60	>2	>2	3.5	7.0	-	-
X3114031	1"1/4	32	80	>2	>2	>2	3.6	-	-
X3114041	1"1/4	32	110	>2	>2	>2	2.0	-	-
X3112031	1"1/2	40	80	>2	>2	2.8	5.5	-	-
X3112041	1"1/2	40	110	>2	>2	>2	2.9	-	-
X3200031	2"	50	80	>2	2.4	4.8	9.5	-	-
X3200041	2"	50	110	>2	>2	2.5	5.0	-	-

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