



3 WAY DIVERTER VALVE VALVOLA DEVIATRICE A 3 VIE



Fluid control up to + 150° C *
Controllo fluidi fino a + 150° C *



Modulating option with electronic flow control for use
as a mixing valve

Opzione modulante con controllo elettronico del flusso
per uso come valvola miscelatrice



Valve status indicator
Segnalatore stato valvola

**version on request , max 100° C for standard version
versione su richiesta, per la versione standard max 100° C

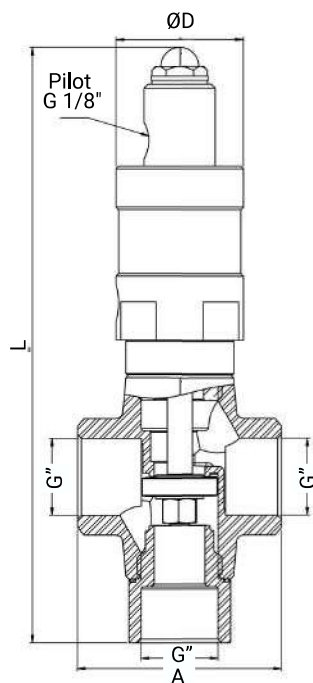


Atex certification upon request
Certificazione Atex su richiesta

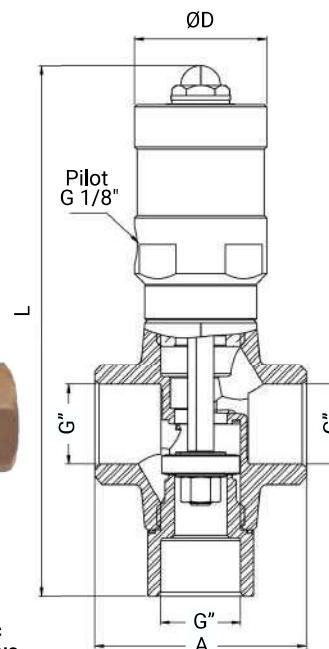
Type / Tipo	3-way right-angle seat piston valve / Valvola a tampone a 3 vie con passaggio a squadra
Size / Misura	1" (DN 25)
Pipe threads / Attacchi	F/F gas ISO228
Available versions / Versioni disponibili	Normally Closed NC, Normally Open NO, Double Acting DA Normalmente chiusa NC, Normalmente aperta NA, Doppio Effetto DE
Ambient temperature / Temperatura ambiente	-20°/+80°C
Pilot pressure / Pressione pilota	Min 4.0 bar – Max 10.0 bar
Valve body / Corpo valvola	Moulded Brass / Ottone stampato
Cylinder spacer / Distanziatore cilindro	Brass / Ottone
Seal holder / Otturatore	Brass / Ottone
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 / Sì
Internal O-rings / O-ring interni	FKM
Shutter Seal / Guarnizione otturatore	FKM
Valve status signal / Segnalazione stato valvola	Red plug / Pennetta rossa
UPON REQUEST / SU RICHIESTA	
Special version for fluid temperature >100° C and <150° C / Versione speciale per temperatura fluido >100° C e <150° C	
Device for electronic flow modulation / Dispositivo per la modulazione elettronica della portata	
Nickel surface treatment (Niploy process) / Nichelatura chimica (processo Niploy)	



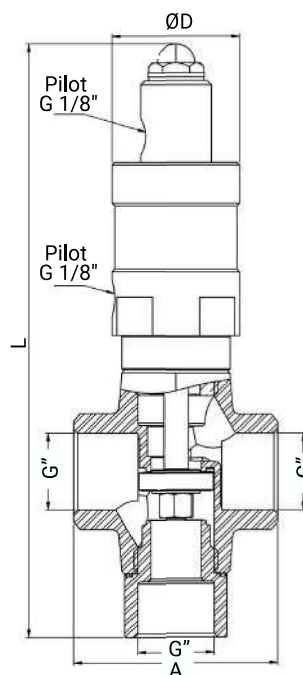
NORMALLY OPEN NO
NORMALMENTE APERTA NA



NORMALLY CLOSED NC
NORMALMENTE CHIUSA NC

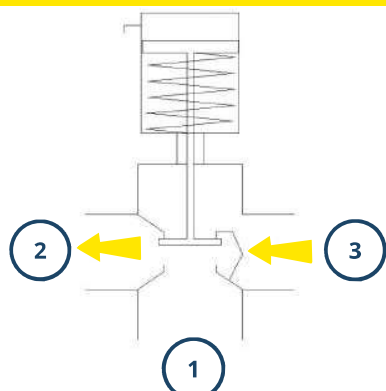


DOUBLE ACTION DA
DOPPIO EFFETTO DE



OPERATION CHART A / SCHEMA A

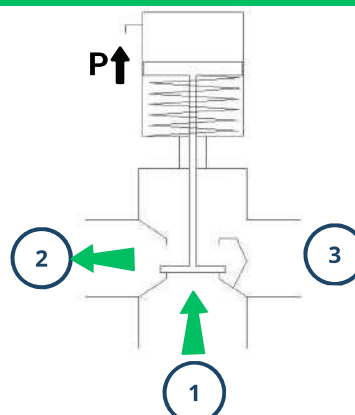
FAST 3 NO VERSION 3 → 2 / FAST 3 VERSIONE NA 3 → 2



$\Delta P = P_1 \leq 7.1 \text{ bar } \varnothing 40$
 $\Delta P = P_1 \leq 17.6 \text{ bar } \varnothing 50$

OPERATION CHART B / SCHEMA B

FAST 3 NO VERSION 1 → 2 / FAST 3 VERSIONE NA 1 → 2



$\Delta P = P_1 - \text{Pilot P}$

FAST 3 NO 3 → 2 / FAST 3 NA 3 → 2

(See chart A / vedi schema A)

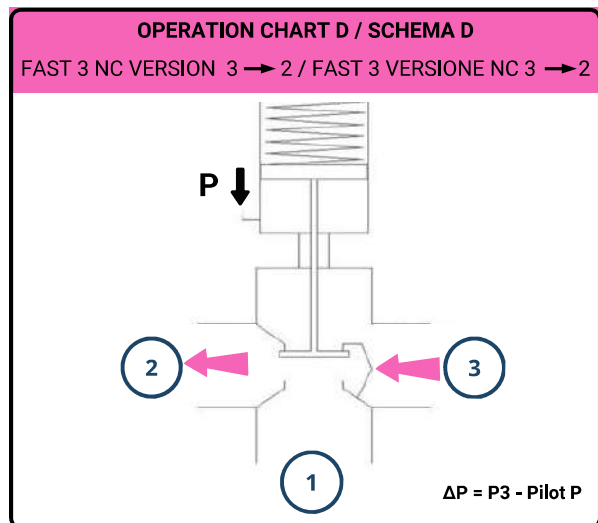
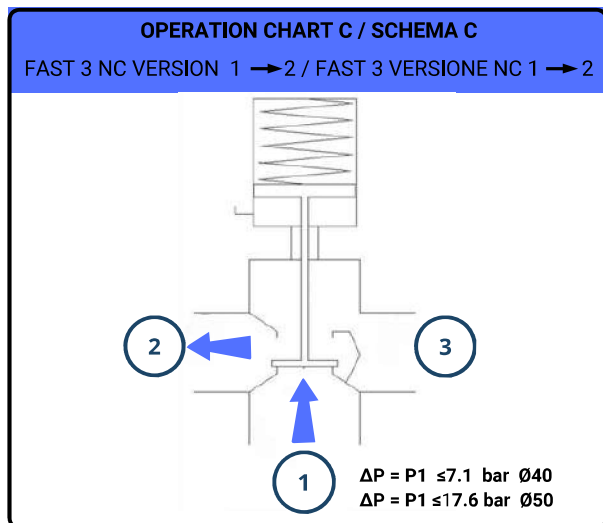
Code Codice	Gas pipe thread Filett. (gas) G"	DN	A [mm]	L [mm]	D [mm]	Ø cylinder cilindro [mm]	Δp Max [bar]	Kv(*) [m³/h]
FD2100000-	1"	25	80	233	50	40	7.1	6.7
FD2100011-	1"	25	80	233	60	50	17.6	6.7

FAST 3 NO 1 → 2 / FAST 3 NA 1 → 2

(See chart B / vedi schema B)

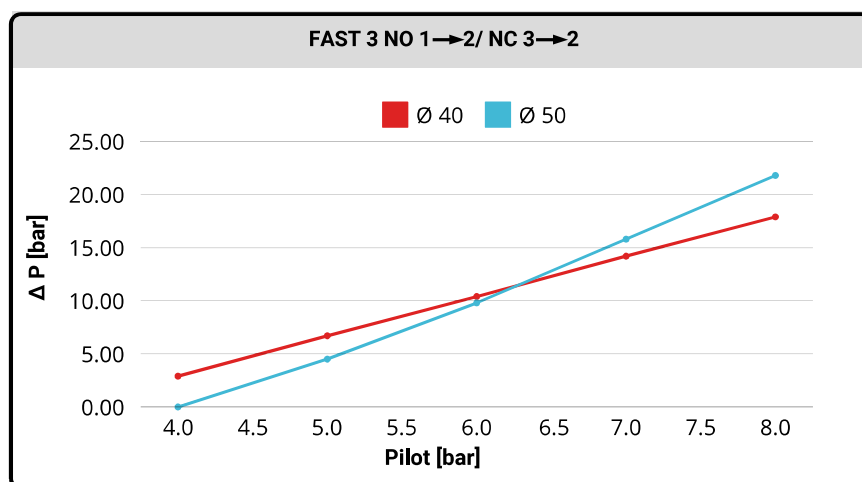
				Pilot Pressure / Pressione Pilota [bar]						Kv(*) [m³/h]
Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	4.0	5.0	5.5	6.0	7.0	8.0	
				ΔP Max [bar]						
FD2100000-	1"	25	40	2,9	6,7	8,6	10,4	14,2	17,9	5.8
FD2100011-	1"	25	50	-	3,8	6,8	9,8	15,8	21,8	5.8

*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:
 $\Delta P = 1 \text{ [bar]}$; $T = 5 \div 40 \text{ [}^\circ\text{C]}$; $\text{density/densità} = 1000 \text{ [kg/m}^3\text{]}$



FAST 3 NC 1 → 2 / FAST 3 NC 1 → 2 (See chart C / vedi schema C)								
Code Codice	Gas pipe thread Filett. (gas) G"	DN	A [mm]	L [mm]	D [mm]	Ø cylinder cilindro [mm]	Δp Max [bar]	Kv(*) [m³/h]
FD1100000-	1"	25	80	200	50	40	7.1	5.8
FD1100011-	1"	25	80	200	60	50	17.6	5.8

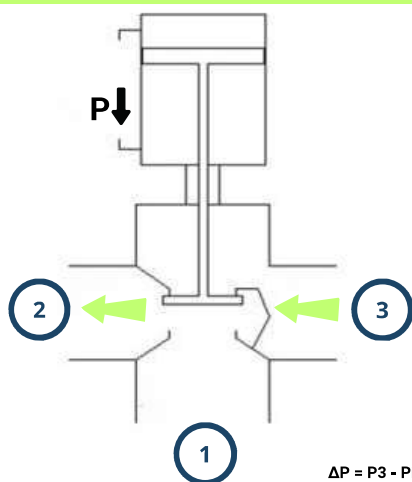
FAST 3 NC 3 →2 / FAST 3 NC 3 →2										(See chart D / vedi schema D)
				Pilot Pressure / Pressione Pilota [bar]						Kv(*) [m³/h]
Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	4.0	5.0	5.5	6.0	7.0	8.0	
				ΔP Max [bar]						
FD1100000-	1"	25	40	2,9	6,7	8,6	10,4	14,2	17,9	6.7
FD1100011-	1"	25	50	-	3,8	6,8	9,8	15,8	21,8	6.7



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 $\Delta P = 1 \text{ [bar]}$; $T = 5 \div 40 \text{ [}^\circ\text{C]}$; density/densità = $1000 \text{ [kg/m}^3\text{]}$

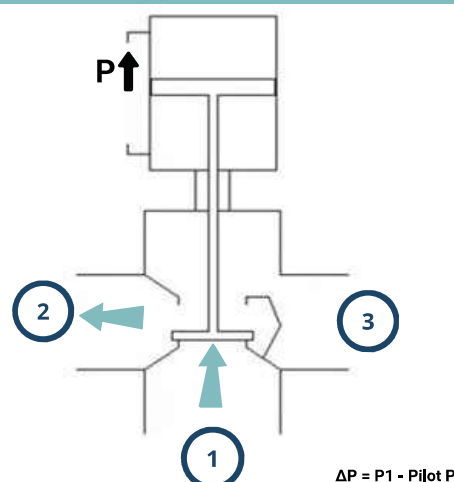
OPERATION CHART E / SCHEMA E

FAST 3 DA VERSION 3 → 2 / FAST 3 VERSIONE DE 3 → 2



OPERATION CHART F / SCHEMA F

FAST 3 DA VERSION 1 → 2 / FAST 3 VERSIONE DE 1 → 2



FAST 3 DA/ FAST 3 DE

Code Codice	Gas pipe thread Filett. (gas) G"	DN	A [mm]	L [mm]	D [mm]	Ø cylinder cilindro [mm]
FD3100000-	1"	25	80	233	50	40
FD3100011-	1"	25	80	233	60	50

FAST 3 DA 3 → 2 / FAST 3 DE 3 → 2

(See chart E / vedi schema E)

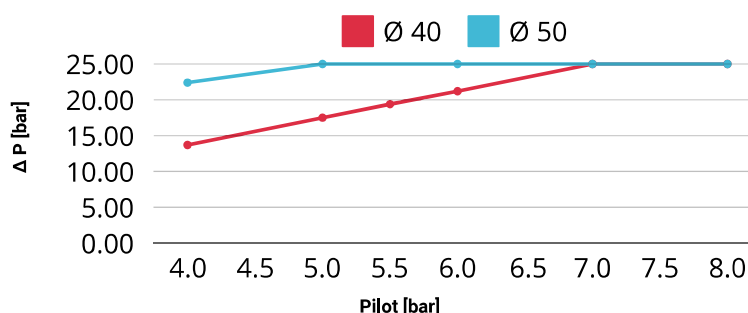
				Pilot Pressure / Pressione Pilota [bar]						Kv(*) [m³/h]
Code Codice	Gas pipe thread Filett. (gas) G"	DN	Ø cylinder cilindro [mm]	4.0	5.0	5.5	6.0	7.0	8.0	
				ΔP Max [bar]						
FD3100000-	1"	25	40	13,7	17,5	19,4	21,2	25,0	<25	6.7
FD3100011-	1"	25	50	22,4	<25	<25	<25	<25	<25	6.7

FAST 3 DA 1 → 2 / FAST 3 DE 1 → 2

(See chart F / vedi schema F)

				Pilot Pressure / Pressione Pilota [bar]						Kv(*) [m³/h]
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]						
FD3100000-	1"	25	40	13,7	17,5	19,4	21,2	25,0	<25	5.8
FD3100011-	1"	25	50	22,4	<25	<25	<25	<25	<25	5.8

FAST 3 DA 3 → 2 / DA 1 → 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]