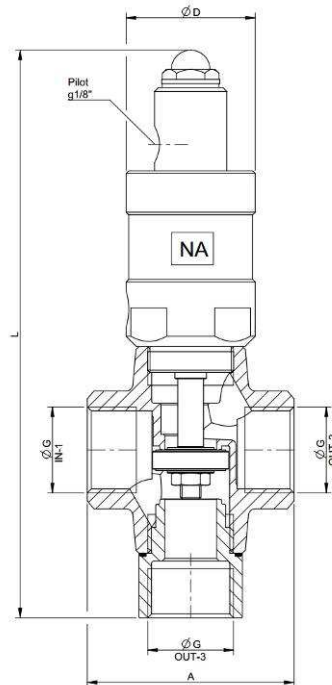


# FAST-3

THREE-WAY VALVE WITH PN25 HOT STAMPED BRASS BODY - FOR DISTRIBUTING / MIXING  
 Max fluid temperature

+100°C Standard

+150°C rod sealing / shutter seal PTFE



Sizes	1" (DN25)
Pipe threads	F/F gas ISO228
Normally closed actuator (NC)	yes
Normally open actuator (NO)	yes
Double acting (DA)	yes
Ambient temperature	-20° / +80°C
Pilot pressure	Min 4 bar - Max 10 bar
Valve body	Hot Stamped Brass; nickel surface treatment ("Niploy Process") on request
Rotable cylinder	not
Seal holder	Brass; nickel surface treatment ("Niploy Process") on request
Piston	Aluminium
Cylinder	Anodized aluminium; nickel surface treatment ("Niploy Process") on request
Piston rod	Stainless steel aisi 304
Rod wiper	yes
Internal o-rings	FKM
Shutter seal	FKM o/or PTFE o/or EPDM
Stem for visual indication	red plug indicator

### NC 1→2

G	DN	A	L (max)	D	Ø cilindro Ø cilinder	ΔP <sub>13</sub> [Max] [bar]	V.aria <sup>(1)</sup> [NI/ciclo] V.air <sup>(1)</sup> [NI/cycle]	KV <sub>12</sub> <sup>(2)</sup> [m <sup>3</sup> /h]	Massa [Kg] Mass [Kg]
1"	25	80	188	50	40	7.1	0.0490	5.8	1.335
1"	25	80	188	60	50	17.6	0.0783	5.8	1.438

### NC 1→3

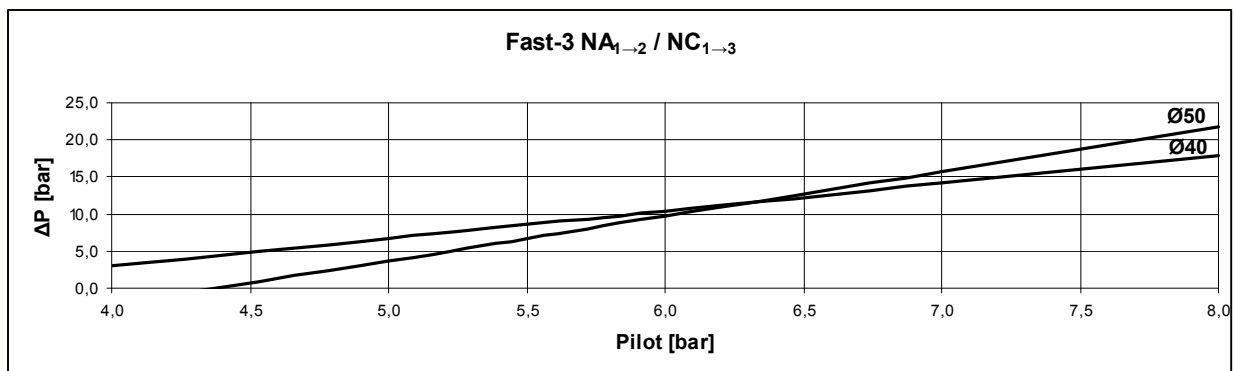
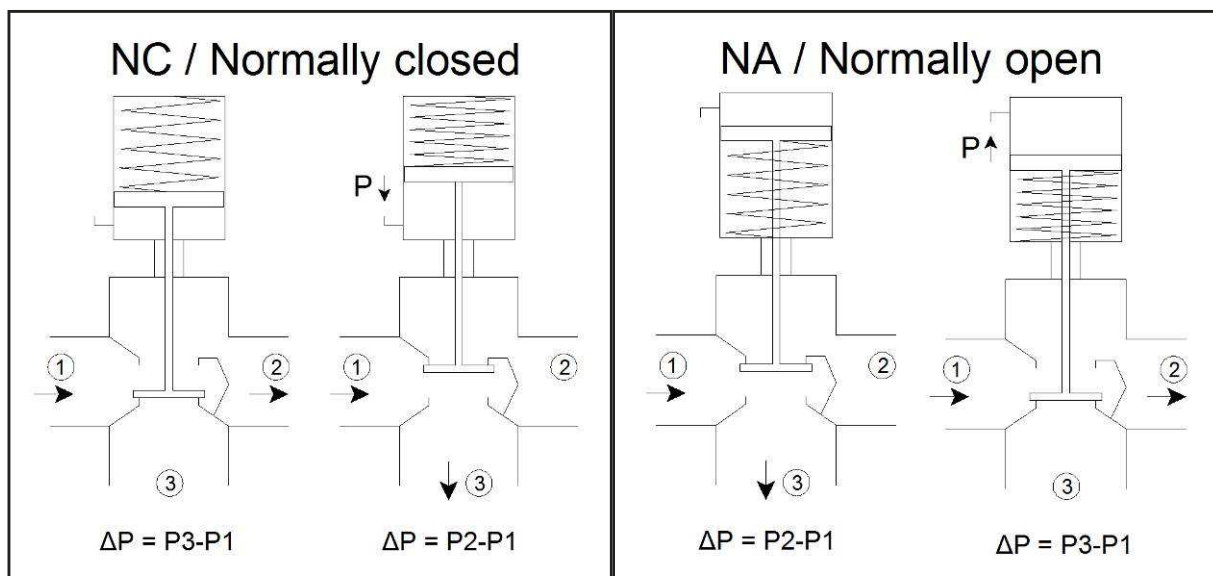
G	DN	Ø cilindro Ø cilinder	Pressione Pilota / Pilot Pressure [bar]						KV <sub>13</sub> <sup>(2)</sup> [m <sup>3</sup> /h]
			4.0	5.0	5.5	6.0	7.0	8.0	
1"	25	40	ΔP <sub>12</sub> [Max] [bar]						6.7
			2.9	6.7	8.6	10.4	14.2	17.9	
1"	25	50	-	3.8	6.8	9.8	15.8	21.8	6.7

### NA 1→3

G	DN	A	L (max)	D	Ø cilindro Ø cilinder	ΔP <sub>12</sub> [Max] [bar]	V.aria <sup>(1)</sup> [NI/ciclo] V.air <sup>(1)</sup> [NI/cycle]	KV <sub>13</sub> <sup>(2)</sup> [m <sup>3</sup> /h]	Massa [Kg] Mass [Kg]
1"	25	80	220	50	40	7.1	0.0490	6.7	1.406
1"	25	80	220	60	50	17.6	0.0783	6.7	1.542

### NA 1→2

G	DN	Ø cilindro Ø cilinder	Pressione Pilota / Pilot Pressure [bar]						KV <sub>12</sub> <sup>(2)</sup> [m <sup>3</sup> /h]
			4.0	5.0	5.5	6.0	7.0	8.0	
1"	25	40	ΔP <sub>13</sub> [Max] [bar]						5.8
			2.9	6.7	8.6	10.4	14.2	17.9	
1"	25	50	-	3.8	6.8	9.8	15.8	21.8	5.8



**DE 1→3**

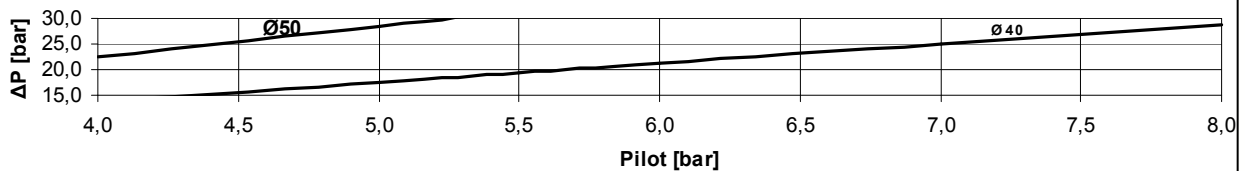
G	DN	Ø cilindro Ø cylinder	Pressione Pilota / Pilot Pressure [bar]						KV <sup>(2)</sup> [m <sup>3</sup> /h]
			4.0	5.0	5.5	6.0	7.0	8.0	
1"	25	40	13.7	17.5	19.4	21.2	25.0	<25	6.7
1"	25	50	22.4	<25	<25	<25	<25	<25	6.7

**DE 1→2**

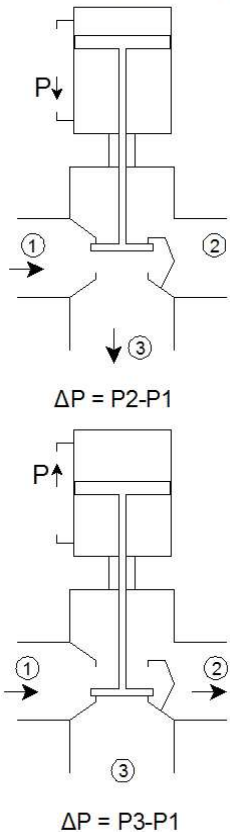
G	DN	Ø cilindro Ø cylinder	Pressione Pilota / Pilot Pressure [bar]						KV <sup>(2)</sup> [m <sup>3</sup> /h]
			4.0	5.0	5.5	6.0	7.0	8.0	
1"	25	40	13.7	17.5	19.4	21.2	25.0	<25	5.8
1"	25	50	22.4	<25	<25	<25	<25	<25	5.8

G	DN	Ø cilindro Ø cylinder	A	L (max)	D	V.aria <sup>(1)</sup> [NI/ciclo]	Peso [Kg]
						V.air <sup>(1)</sup> [NI/cycle]	Weight [Kg]
1"	25	40	80	220	50	0.0979	1.384
1"	25	50	80	220	60	0.1567	1.470

**Fast-3 DE<sub>1→3</sub> / DE<sub>1→2</sub>**



**DE / Double acting**



**Chiave di Ordinazione / Ordering Key  
F - Modello Valvola / Valve Model**

*	***	*	*	*	*
Versione Attuatore / Actuator version	Dimensione del Tubo / Pipe Size BSP	Trattamento superficiale esterno / External surface treatment	Alessaggio / Cylinder Bore	Tenuta Stelo / Rod Sealing	Guarnizione otturatore / Shutter seal
1 - Normalmente chiuso NC / Normally closed NC	012 - g 1/2" 034 - g 3/4"	0 - Ossidazione anodica / Anodized oxidation	0 - Ø 40	0 - Guarnizione a labbro / Lip gasket	0 - FKM
2 - Normalmente aperto NA / Normally open NO	100 - g 1" 114 - g 1 1/4"	1 - Nichelatura chimica / Nickel surface	1 - Ø 50	1 - Pacco V-Ring / V-Ring Pack	1 - PTFE
3 - Doppio effetto DE / Double acting DA	112 - g 1 1/2" 200 - g 2"				2 - EPDM
Esempio: Example:	F21001002—Valvola Modello Fast-3; Attuatore NA; g 1"; Nichelatura chimica superficiale; Cilindro alesaggio 40; Tenuta stelo guarnizione a labbro; EPDM F21001002—Model Valve Fast-3; NO Actuator; 1" BSP; Nickel surface treatment; Cylinder Bore 40; Rod sealing lip gasket; EPDM				

NOTA: Se la tenuta stelo è con V-Ring, aumentare L di 13 [mm]  
NOTE: When Rod Sealing is with V-Ring, increase L of 13 [mm]

(1) → The air-consumption V.air is calculated assuming that the air inside the cylinder expands adiabatically starting from pressure of 5,5 [bar] to atmospheric pressure (Patm = 1,01325 [bar], at the temperature of 20°C)  
(2) → The flow factor KV is the water flow in cubic metres per hour at a pressure drop of one bar across the valve, with temperature range = 5+40 [°C] and density = 1000 [kg/m3]