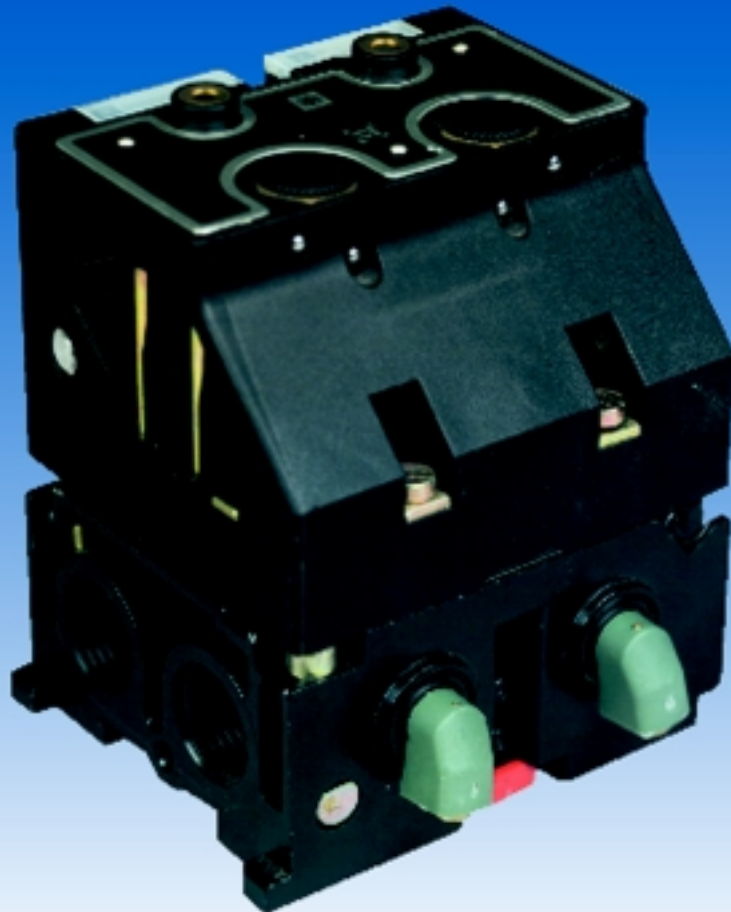
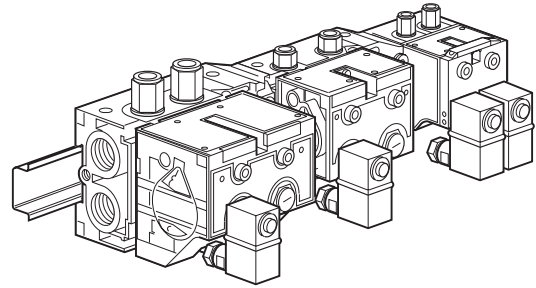


P V D Ceramic Valves



- Ceramic slide plate; extremely long life
- Built in manual override
- Transfer modules to combine all sizes
- Selectable air pilot control
- Clip-on DIN rail



Specification

Material

Valve body Polyamide 6,6 glass fibre
 impregnated
 Seals Polyurethane

Operating information

Supply pressure;
 Pneumatically operated: 0-10 bar
 Electrically operated, bistable: 3-10 bar
 Electrically operated, monostable: 4-10 bar
 (0 to 10 bar with pilots fed by PX)

Size	1/8"	1/4"	3/8"-1/2"
Flow:	800	2000	4000 l/min
(acc. to ISO 6358)	$Q_{max} =$		
(Valve flow including manifold)	$C_v =$	0,49	1,05
			2,03

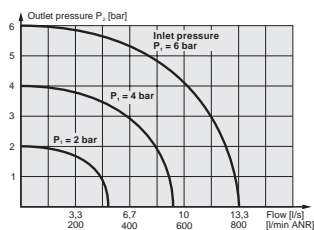
Working temperature: -15 °C to +60 °C

Operating information

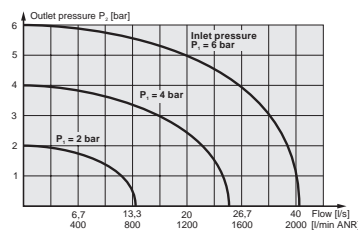
Flow characteristics

Flow capacities in accordance with ISO6358
 All pressures = effective pressure
 The curves in the diagrams below are typical only

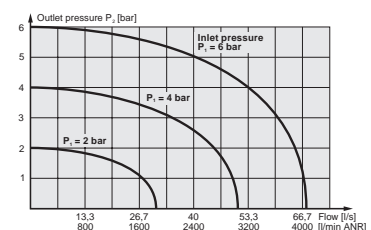
Size 1/8"



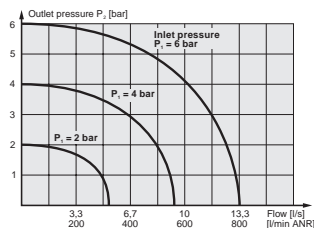
Size 1/4"



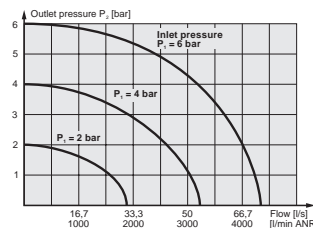
Size 3/8"-1/2"



Dump valves size 1/4"

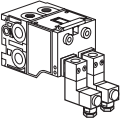

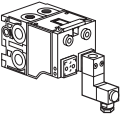



Dump valves size 1/2"



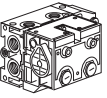


Size 1/8"

Pneumatically or electrically actuated with auxiliary manual control *

Symbol	Connc-Actuator tion	Return	Signal pressure	Changeover	Weight	Order code	D	
	Push-in/ Threaded		min, bar at 6 bar actua./return	time, ms at 6 bar actua./return	Kg			
	1 P	G1/8	Air	Air	1,8/1,8	15/15	0,250	PVD-B142128 1
	3							
	4		Air	Spring	4,2/1,2	20/25	0,245	PVD-B141128 1
	2							
	14	Push-in	Electric**	Electric**	4,2/1,2	20/20	0,260	PVD-B142428 1
	12	swivel	22x30					
	p x	Ø4 mm M5	Electric**	Spring	4,2/1,2	25/35	0,250	PVD-B141428 1
			Electric***	Spring	4,2/1,2	20/20	0,260	PVD-B142628 3
			15x15					
			Electric***	Electric***	4,2/1,2	30/50	0,260	PVD-B141628 3
			15x15					

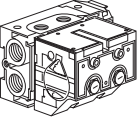



Size 1/4"

Pneumatically or electrically actuated with auxiliary manual control *

Symbol	Connc-Actuator tion	Return	Signal pressure	Changeover	Weight	Order code	D	
	Push-in/ Threaded		min, bar at 6 bar actua./return	time, ms at 6 bar actua./return	Kg			
	1 P	G1/4	Air/	Air/	1,6/1,6	18/18	0,725	PVD-C342229 1
	2		Electric**	Electric**	1,6/1,6	24/24		
	3							
	4		Air/	Spring	4,3/1,5	30/50	0,710	PVD-C341229 1
	12	Push-in	Electric**		4,3/1,5	40/50		
	14	swivel	Ø4 mm					
	p x	M5						

Size 3/8" - 1/2"

Pneumatically or electrically actuated with auxiliary manual control *

Symbol	Connc-Actuator tion	Return	Signal pressure	Changeover	Weight	Order code	D	
	Push-in/ Threaded		min, bar at 6 bar actua./return	time, ms at 6 bar actua./return	Kg			
	1 P	G1/2	Air/	Air/	1,6/1,6	25/25	1,240	PVD-E242223 1
	3		Electric**	Electric**	1,6/1,6	40/40		
	4	G3/8						
	2		Air/	Spring	4,7/1,4	50/50	1,210	PVD-E241223 1
	12	Push-in	Electric**		4,7/1,4	80/100		
	14	swivel	Ø 4 mm					
	p x	M5						

* Bistable valves incorporate spring return manual control.

Monostable valves incorporate indexable manual control

** For electrical operation, use PVA-F10 Series solenoid actuator

*** For electrical operation use mini Series solenoid actuator

Note! The valve subbase has straight through air supply and exhaust galleries therefore any unused ports should be plugged using standard threaded blanking plugs

