

PE100 Series Valves



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RANKIN 
COMPONENTS THAT AUTOMATE

DESCRIPTION

2 way normally closed angle seat valve pneumatically operated.
Inlet under seat.

PRESENTATION

- Compact valve
- Water hammer effect prevention
- Protected visual position indicator
- PTFE sealing pack
- from 3/8" up to 3"
- Maintenance free sealing pack
- Normally open version available on request
- Double acting version available on request
- Pilot thread: 1/8" (1/4" for 125mm actuators) BSP or NPT
- Universal mounting position



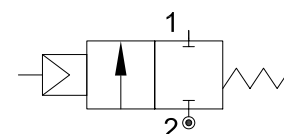
USE: Packaging, Drinks Filling Machinery, Textile printing,
Pharmacy & Medical Equipment, Chemical industry,
Foaming Equipment, Water/sewage Disposal

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CONNECTION: Threaded NPT or GAS

VALVE FEATURES

Fluid Pressure	Up to max 232psi (16bar)
Control Pressure	50 - 87psi (3.5 - 6bar)(see table)
Control Fluid	Neutral gas, Air
Body material	Stainless steel AISI 316
Sealing	PTFE
Actuator Material	AISI 304 or Aluminium for 4.9inches actuator
Actuator Size	1.6 - 2 - 2.5 - 3.5 - 4.9 inches (40 - 50 - 63 - 90 - 125 mm)
Fluids	Water, Alcohol, Oils, Fuels, Steam, Natural gases or Liquids, Organic solvents, Acids and Lyes
Fluid viscosity	Max 600cSt (mm ² /s)
Fluid temperature	14°F +356°F (-10°C to +180°C)
Ambient temperature	14°F +176°F (-10°C to +80°C)
Control Type	Normally closed, (on request Normally open, Double acting)



For piloting please use the solenoid valve E311ANB15///U35D (3/2NC, Ø1.5, 120V AC UL approved)

CODE ①	G GAS or NPT	Actuator Diameter		Nominal Diameter		Pilot Pressure		Max Pressure		Q	C	R	K	T	A	L	SW				
		inches	mm	inches	mm	psi	bar	psi	bar									inches	inches	inches	inches
PE140C...W10/V	3/8"	1.57	40	0.39	10	58	4	188	13	G1/8"	1.99	1.06	4.41	0.47	4.88	2.68	1.06				
PE150C...W10/V		1.97	50			65	4.5	203	14									G1/8"	2.36	1.30	4.92
PE140D...W15/V	1/2"	1.57	40	0.59	15	58	4	188	13	G1/8"	1.99	1.06	4.41	0.47	4.88	2.68	1.06				
PE150D...W15/V		1.97	50			65	4.5	203	14									G1/8"	2.36	1.30	4.92
PE150E...W20/V	3/4"	1.97	50	0.79	20	65	4.5	203	14	G1/8"	2.36	1.30	5.20	0.63	5.51	2.95	1.26				
PE150F...W25/V	1"	1.97	50	1	25	65	4.5	116	8	G1/8"	2.36	1.30	5.35	0.67	5.91	3.54	1.57				
PE163F...W25/V		2.48	63			72.5	5	188	13						G1/8"			2.95	1.61	6.38	6.77
PE190F...W25/V		3.54	90			50	3.5	203	14						G1/8"			4.17	2.17	8.78	9.25
PE163G...W32/V	1 1/4"	2.48	63	1.26	32	72.5	5	87	6	G1/8"	2.95	1.61	6.85	0.83	7.48	4.57	1.97				
PE190G...W32/V		3.54	90			87	6	232	16						G1/8"			4.17	2.17	8.78	9.25
PE163H...W40/V	1 1/2"	2.48	63	1.57	40	72.5	5	72.5	5	G1/8"	2.95	1.61	6.89	0.83	7.48	4.57	2.20				
PE190H...W40/V		3.54	90			87	6	232	16						G1/8"			4.17	2.17	8.78	9.25
PE163I...W50/V	2"	2.48	63	2	50	72.5	5	43.5	3	G1/8"	2.95	1.61	7.20	0.87	8.07	5.43	2.72				
PE190I...W50/V		3.54	90			87	6	145	10						G1/8"			4.17	2.17	9.13	9.84
PE190M...W65/V	2 1/2"	3.54	90	2.56	65	87	6	87	6	G1/8"	4.17	2.17	10.43	1.02	11.2	7	3.35				
PE1125M...W65/V		4.92	125			80	5.5	130	9						G1/4"			6.69	3.35	12.40	12.9
PE1125R...W80/V	3"	4.92	125	3.15	80	80	5.5	72.5	5	G1/4"	6.69	3.35	12.87	1.06	15	8.27	3.94				

① G= GAS (ISO228)
N= NPT (ANSI/ASMI BI.20.1)

Ordination example: PE150FNW25/V connection 1" NPT
PE150FGW25/V connection 1" GAS

