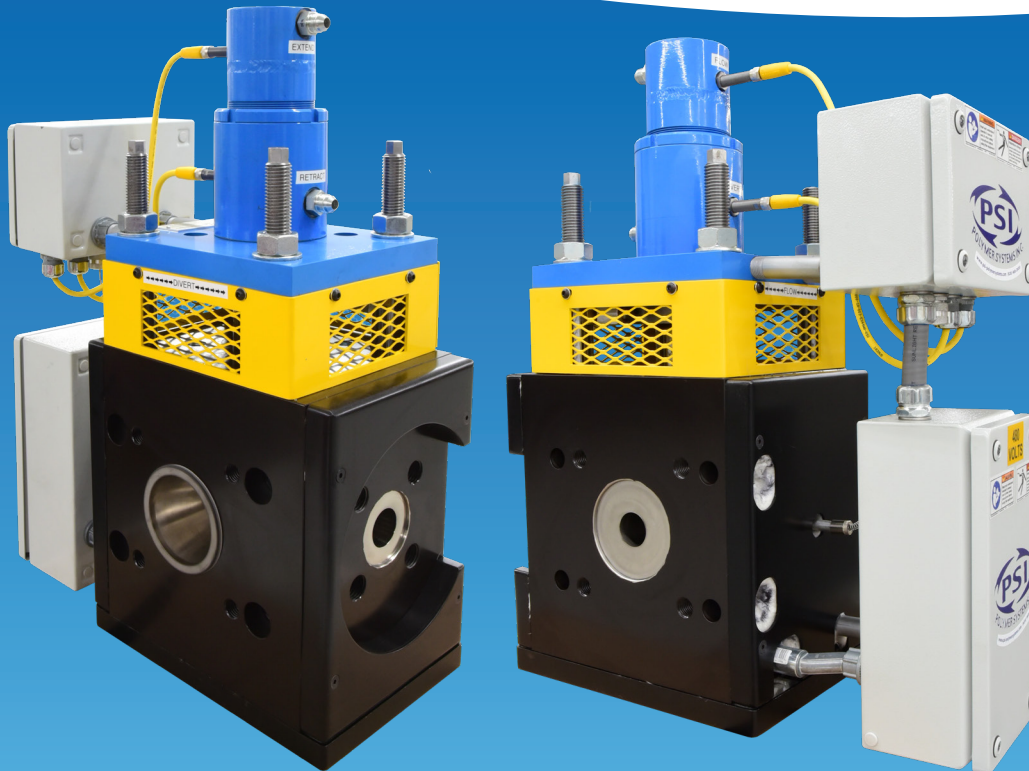




Get More from Your Process



Diverter Valve (DIV)

PSI Diverter Valves (DIV) direct the flow of a fluidized material stream to a selectable destination. Used in polymer, hot melt adhesive, food, and chemical applications, diverter valves are commonly supplied in a two-position (process/dump) configuration to facilitate start-up, drum-fill operations, or redirection to a secondary process. For pelletizing operations, the dump position segregates start-up materials, including off-spec generated during crossover for material or color changes. Once the material flow and quality are fully established, a quick shift to the online position assures optimal pressure and flow to the die. For drum or vessel fill operations, the dump position is used for bypass.

Multiple (three or four) position diverter valves add bypass and multi-directional flow functionality. Applications for these include alternating die and simultaneous multi-die flow as well as bypass or tank fill. Discharge ports can be configured to accommodate virtually any direction. These diverter valves offer vertical or rotational port movement. Sizes range from small batch operations to large polymer reactors requiring continuous output.

Features

- Fast-shift or slow-shift designs
- Side, bottom, or top discharge
- Hydraulic actuation
- No mechanical seal - 5-year leak-free guarantee
- Mechanical stop for accurate positioning
- Bolt-on connection (DIV models)
- Bolt-through housing connection (PDV models)
- Safety guard with electrical interlock
- Stainless steel discharge chute (for side discharge models)

Diverter Valve (DIV)

Options

- Patented seal system for low viscosity / high MFI materials
- Proximity sensors
- Integral pressure/temperature ports
- Stainless steel construction
- Internal fluid heat/cool
- Insulation jackets
- Flow channel restrictors
- Special voltage heaters

Accessories

- Hydraulic power unit
- Heavy duty support cart
- Adaptors
- Pressure instruments
- Hot oil control units

Controls

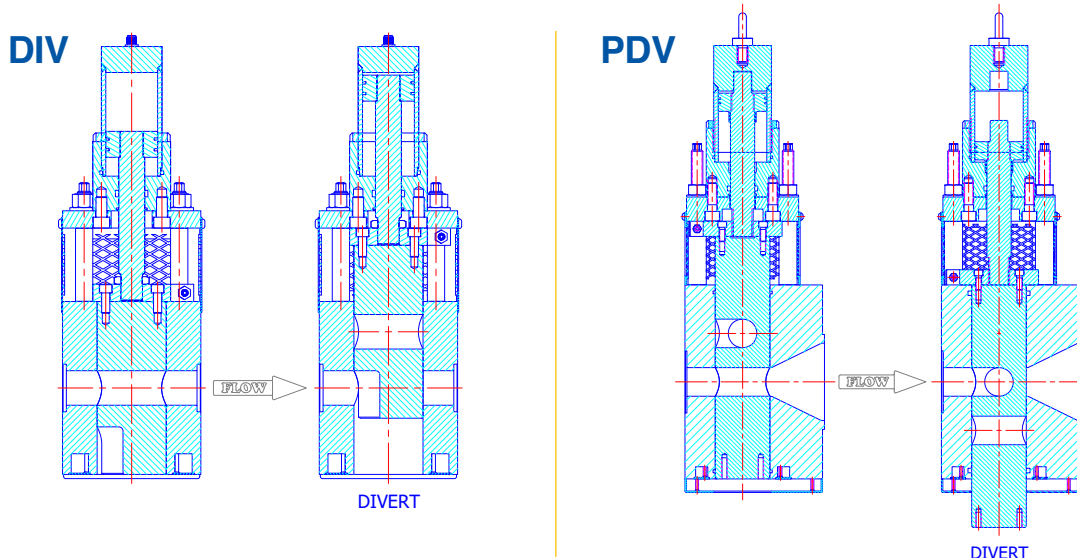
- Manual hand-held pendant with two-position momentary switch (standard)
- Automated push-button control with position indication lights (optional)
- Heat control panel

Technical

Specifications	Standard
Temperature °F [°C]	Up to 650 [343]
Max oper. pressure PSI [bar]	max. 10,000 [670]
Control zones (housing)	One (1)
Heating	Electric/Fluid

Model	Max. Throughput*		Through Bore Diam.		Divert Position	Zones	kW	Weight	
	lb/h	kg/h	inch	mm				lb	kg
DIV-1.0	1,250	5,67	1	25.4	Bottom	1	3	105	48
DIV-1.5	2,500	1,134	1.5	38.1	Bottom	1	4	185	84
DIV-2.0	4,500	2,042	2	50.8	Bottom	1	4	222	101
DIV-3.0	10,000	4,536	3	76.2	Bottom	1	6	300	137
DIV-4.0	18,000	8,165	4	101.6	Bottom	1	12	550	250
DIV-6.0	40,000	18,144	6	152.4	Bottom	1	oil/steam	2,650	1,202
DIV-8.0	75,000	34,020	8	203.2	Bottom	1	oil/steam	3,550	1,610
PDV-6	2150	975	1.38	35.0	Side	1	6	396	180
PDV-7	6,250	2,835	2.36	60.0	Side	1	6	797	362

* Throughput values may change depending on material and viscosity.



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