



PTD with static seals

- Pressure shock resistant up to 145 PSI*
- Two channel design
- Minimal maintenance
- Quick clean version available
- Compact form
- User friendly design
- No moving parts on the outside
- Pressure up to 43.5 PSI with static seals
- Sizes 50-150 up to 87 PSI with inflatable seals
- Versions with electrical drive available
- Wear resistant pipes are optionally available
- Versions conforming to ATEX 94/9/EC available



PTD with inflatable seals

PTD Plug Type Diverter

The DMN-WESTINGHOUSE PTD plug type diverters have been specially designed to route powders and pellets with minimum degradation in pneumatic conveying systems. The PTD plug type diverter is applied in the chemical, pharmaceutical, plastic, food and other related industries.

A smooth passage of products is guaranteed by precision machining, a good sealing and a complete obstruction free passage.

The user friendly fool proof design enables fast in situ internal examination, cleaning and, if necessary, replacement of seals.

The PTD design conforms to all current legislation regarding safety in the workplace. Consequently there are no moving parts on the outside.

The PTD is available in 7 different pipe sizes: Ø 1.97, 2.56, 3.15, 3.94, 4.92, 5.91 and 8.31 inch.

Product information

The PTD plug type diverter consists of an aluminium housing and end covers in which a plug with two pipes is installed. All product contact surfaces are made from stainless steel AISI 316 / DIN 1.4404. Three FDA approved silicone seals guarantee the sealing between housing and plug. The body is pressure tight, so ensuring no leakage to atmosphere. The standard diverter can be used in systems with positive pressures up to 43.5 PSI (static seals). The sizes 50-150 are optionally available for pressures up to 87 PSI (inflatable seals).

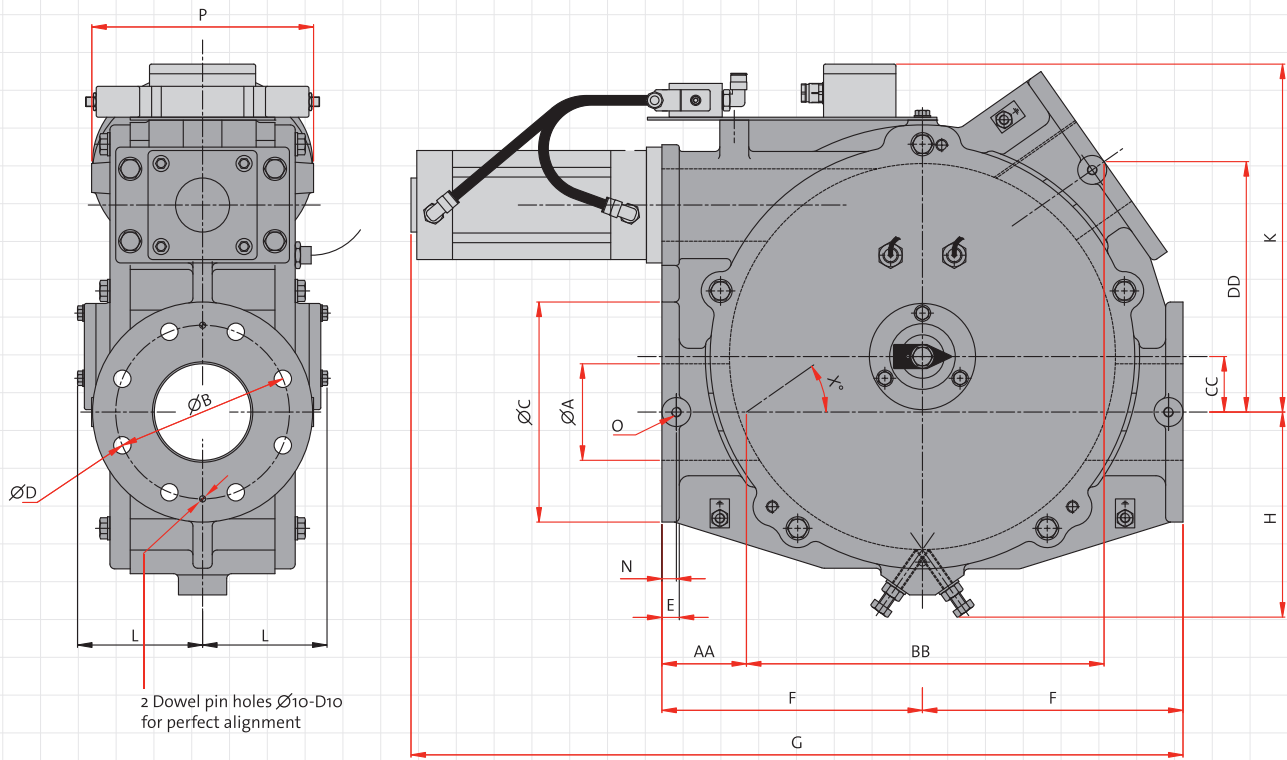
The PTD is supplied with a complete electro pneumatic control system, including solenoids and inductive position sensors.

The standard diverter can be used for product temperatures ranging from -13 °F up to 176 °F at ambient temperatures of 14 °F up to 104 °F. Versions for higher temperatures are available on request.

* Size 200 excluded

PTD

Dimensions PTD



Type PTD	DIN			ANSI																
	$\varnothing A$	$\varnothing B$	D	$\varnothing C$	$\varnothing B$	D	E	F	G	H	K	L	N	O	P	X°	AA	BB	CC	DD
50	1.97	4.92	4x $\varnothing 0.71$	6.50	4.75	4x $\varnothing 0.75$	0.63	8.07	24.33	6.69	10.55	4.41	0.49	M10x20	6.69	33.5	3.50	10.55	1.38	6.97
65	2.56	5.71	4x $\varnothing 0.71$	7.28	5.50	4x $\varnothing 0.75$	0.63	8.46	26.69	7.09	11.46	4.61	0.49	M10x20	7.48	36.7	3.43	10.83	1.67	8.07
80	3.15	6.30	8x $\varnothing 0.71$	7.87	6.00	4x $\varnothing 0.75$	0.71	10.04	30.24	7.68	12.87	5.00	0.59	M10x20	8.07	36.6	4.25	12.68	1.91	9.45
100	3.94	7.09	8x $\varnothing 0.71$	8.98	7.50	8x $\varnothing 0.75$	0.71	10.63	32.01	8.86	14.21	5.12	0.59	M10x20	9.06	35	3.46	14.57	2.26	10.24
125	4.92	8.27	8x $\varnothing 0.71$	9.84	8.50	8x $\varnothing 0.87$	0.79	13.19	39.02	10.43	17.05	5.87	0.69	M12x24	10.04	35.5	4.57	17.76	2.76	12.68
150	5.91	9.45	8x $\varnothing 0.87$	11.22	9.50	8x $\varnothing 0.87$	0.79	14.76	41.77	11.61	18.90	6.54	0.79	M12x24	11.50	35.8	4.72	20.12	3.25	14.53
200	8.31	11.61	8x $\varnothing 0.87$	13.50	11.75	8x $\varnothing 0.87$	0.98	19.69	51.02	14.96	24.33	7.83	0.98	M12x20	13.78	34.8	5.24	28.03	4.53	19.49