



# DUAL PIPE PLUG DIVERTER – PTD-II

The PTD-II plug type diverters have been specially designed to route powders and pellets with minimum degradation in pneumatic conveying systems.

Precision machining, proper sealing, and an obstruction-free internal geometry guarantee a smooth passage of product.

The user-friendly foolproof design enables quick on-site internal examination, cleaning and, when necessary, replacement of seals.

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

## Available sizes

Size PTD-II	50	65	80	100	125	150	200
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## Specifications

- ▶ Pressure shock-resistant up to 10 bar\*
- ▶ Two-channel design
- ▶ Minimal maintenance
- ▶ Compact form
- ▶ User-friendly design
- ▶ No moving parts on the outside
- ▶ Pressure up to 3 barg with static seals
- ▶ Sizes 50-150 up to 6 barg with inflatable seals
- ▶ Versions with electrical drive available
- ▶ Wear-resistant pipes optionally available
- ▶ ATEX 2014/34/EU certification available
- ▶ EC1935/2004 conformity available

\* Size 200 excluded

## Product Information

The PTD-II plug type diverter consists of an aluminium housing and end covers installed with a plug with two pipes. All product contact surfaces are stainless steel AISI 316/DIN 1.4404. Three FDA/EC 1935/2004 approved silicone seals guarantee the sealing between housing and plug. The body is pressure-tight, ensuring no leakage to the atmosphere.

The standard diverter can be used in systems with positive pressures up to 3 barg (static seals). The sizes 50-150 are optionally available for pressures up to 6 barg (inflatable seals).

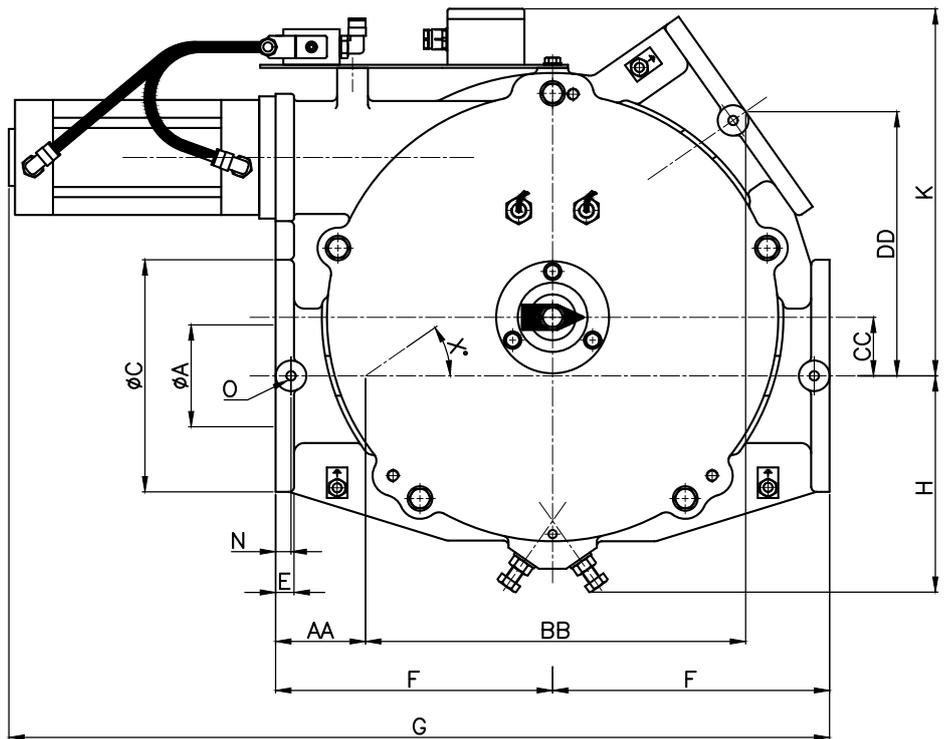
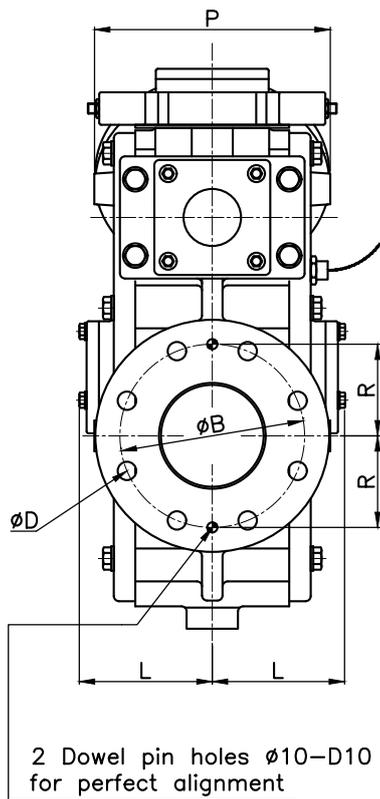
The PTD-II is supplied with a complete electro-pneumatic control system, including solenoids and inductive position sensors.

The standard diverter is suitable for product temperatures ranging from -25°C up to +80°C at ambient temperatures of -10°C up to +40°C. Versions for higher temperatures are available on request.

## Application

The PTD-II is suitable for the following industries:

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|------------------|---------------|-------------|
| ▶ Plastics       | ▶ Chemicals   | ▶ Minerals  |
| ▶ Food           | ▶ Biomass     | ▶ Recycling |
| ▶ Pet food       | ▶ Aquaculture | ▶ Batteries |
| ▶ Animal feed    | ▶ Dairy       | ▶ Tires     |
| ▶ Pharmaceutical | ▶ Cosmetics   |             |
| ▶ Infant formula | ▶ Paint       |             |



TYPE	DIN				ANSI															
	$\text{Ø}A$	$\text{Ø}B$	D	$\text{Ø}C$	$\text{Ø}B$	D	E	F	G	H	K	L	N	O	P	$X^\circ$	AA	BB	CC	DD
50	50	125	4x $\text{Ø}18$	165	120.6	4x $\text{Ø}19$	16	205	618	170	268	112	12.5	M10x20	170	33.5	89	268	35.0	177
65	65	145	4x $\text{Ø}18$	185	139.7	4x $\text{Ø}19$	16	215	678	180	291	117	12.5	M10x20	190	36.5	87	275	42.5	205
80	80	160	8x $\text{Ø}18$	200	152.4	4x $\text{Ø}19$	18	255	768	195	327	127	15	M10x20	205	36.5	108	322	48.5	240
100	100	180	8x $\text{Ø}18$	228	190.5	8x $\text{Ø}19$	18	270	813	225	361	130	15	M10x20	230	35.0	88	370	57.5	260
125	125	210	8x $\text{Ø}18$	250	215.9	8x $\text{Ø}22.2$	20	335	991	265	433	149	17.5	M12x24	255	35.5	116	451	70.0	322
150	150	240	8x $\text{Ø}22$	285	241.32	8x $\text{Ø}22.2$	20	375	1061	295	480	166	20	M12x24	292	35.8	120	511	82.5	369
200	211	295	8x $\text{Ø}22$	343	298.4	8x $\text{Ø}22.2$	25	500	1296	380	618	199	25	M12x20	350	34.8	133	712	115.0	495

\* Standard pre-drilled for cast iron

Technical modifications are possible, dimensions in mm.