



Engineered to last

STANDARD DESIGN TO 168mm DIA.

The TSY, TST and TSD diverter valves are suitable for use within lean phase, positive pressure, pneumatic conveying systems for diverting or converging a stream of dry powders. They can also be used just as effectively with full vacuum systems.



Y type

RECESSED SEAL

The tongue seal is kept out of the product flow and away from abrasion by recessing it in the body, extending wear life and increasing reliability.



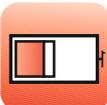
Diverter vent type



Butterfly



Rotary



Slide



Knifegate



Diverter



Dyris



Ceramic



Specials



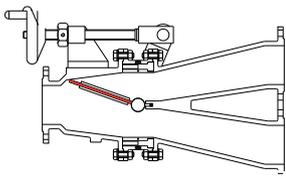
Sifter



Seals

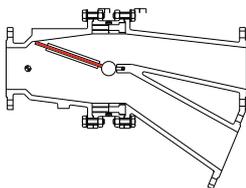
STANDARD MODELS

Available in cast iron, aluminium and stainless steel in three different versions:



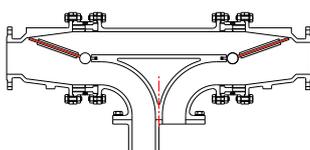
TSY Diverter

'Y' type with 22.5° divert



TST Diverter

Straight through with a 22.5° divert



TSD Diverter Vent

Commonly called a vent or scale valve, used to control the filling of storage bins or silos

ATEX CERTIFICATION

The TSY, TST and TSD range of valves can be certified to Zone 22 internal and external.

	Internal	External
Zone 0/20	✗	✗
Zone 1/21	✗	✗
Zone 2/22	✓	✓
APD	✗	✗

STANDARD FEATURES

Standard specification includes:

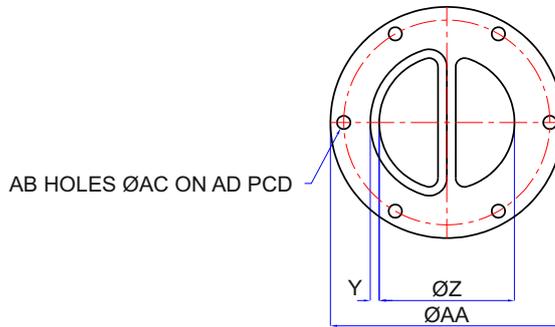
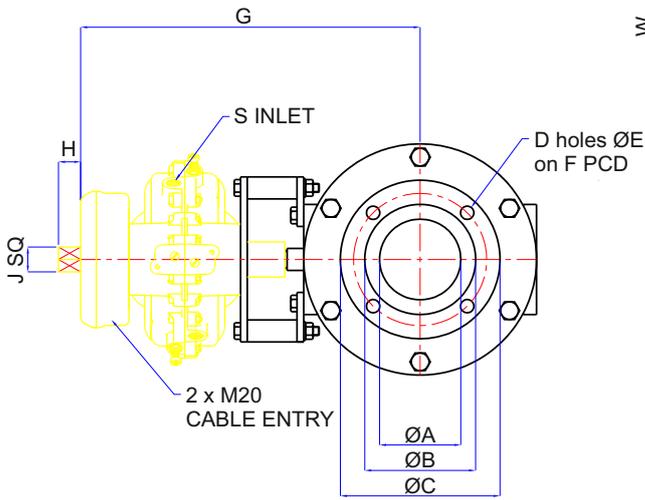
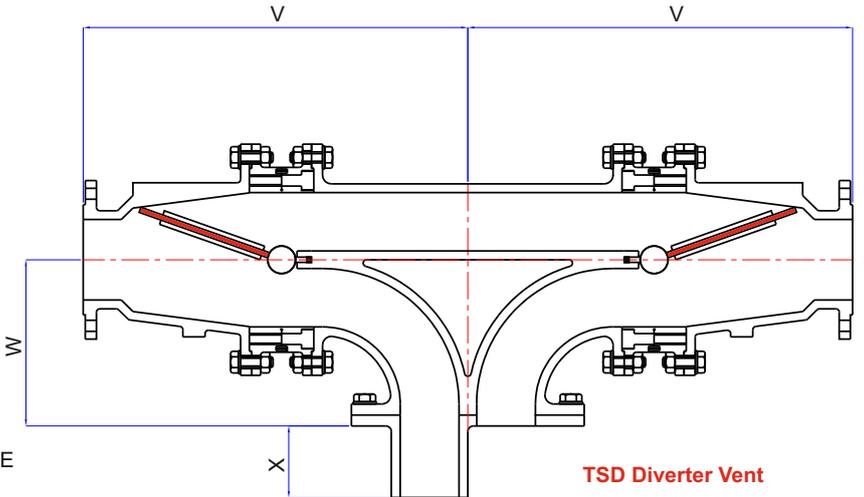
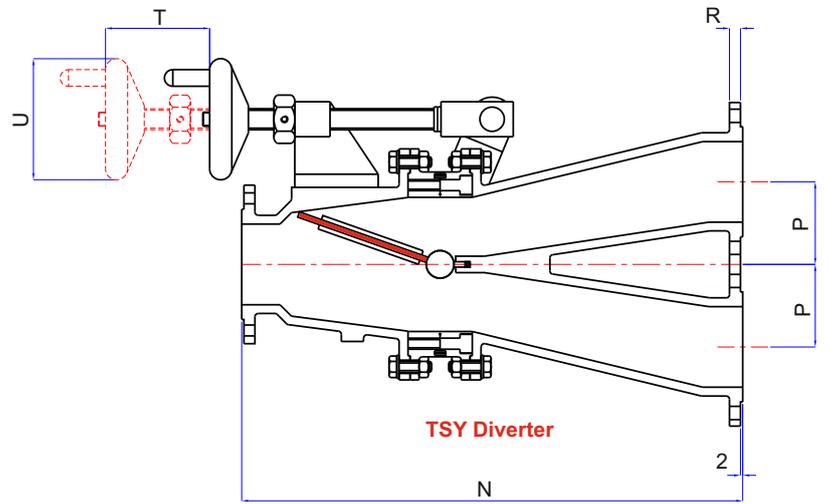
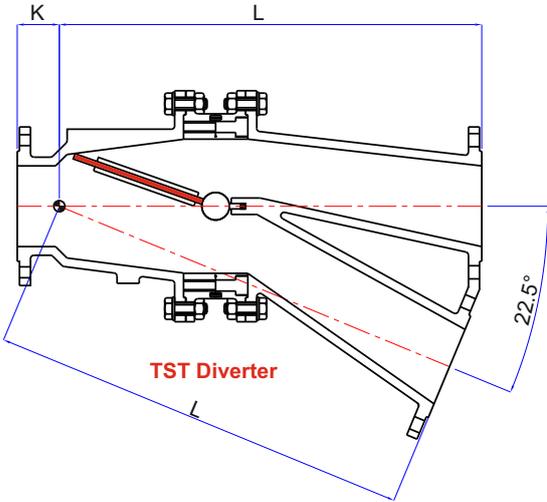
- cast iron, stainless steel or aluminium body
- carbon steel or stainless vane with heavy duty polyurethane tongue (viton available)
- manual or pneumatic actuation

Options include

- high temperature viton tongue seal
- abrasion resistant impact wear plates

Midland Industrial Designers Limited





Size	A	B	C	D	E	F	G	H	J	K	L	N	P
50	47	68	106	4	10	86	264	20	16	35	325	330	55
75	73	100	144	4	12	120	306	20	16	38	381	452	75
100	98	128	182	4	14	152	357	20	16	40	466	506	93
125	120	150	294	8	14	174	434	20	16	41.5	514	577	105
168	160	190	244	8	14	214	471	25	25	72	623	660	125

Size	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
50	8	G 1/4	85	100	232	110	50	6	83	140	4	10	120
75	10	G 1/4	105	100	347	151	65	8	122	210	6	12	186
100	10	G 1/4	125	100	421	185	90	8	160	260	6	12	226
125	12	G 1/4	145	100	503	216	110	9	200	300	6	14	268
168	14	G 3/8	165	100	623	282	125	10	265	400	8	18	350

Midland Industrial Designers Limited

Common Lane, Watnall, Nottingham, England NG16 1HD
 T: (+44)(0)115 9382154 F: (+44)(0)115 9386315 E: enquiry@mid.uk.com
 Manufacturers of powder handling equipment since 1959

www.mid.uk.com

