

BUSH & WILTON

CONVEYING DIVERTERS



PRESSURE SEALED FLAP TYPE CONVEYING DIVERTER VALVE

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THE PRESSURE SEALED FLAP TYPE CONVEYING DIVERTER VALVE

Higher Efficiency @ Substantially Lower Cost

Bush & Wilton are pleased to release a new range of Pressure Sealed Flap Type Conveying Diverter Valve. Prompted by customer demand, a major re-development programme has been undertaken and finalised, giving:

- VIRTUALLY LEAK-PROOF INTERNAL & EXTERNAL SEALING
- A MORE COMPACT PRODUCT
- SUBSTANTIALLY LESS REPLACEABLE COMPONENT SPARES
- ALTERNATIVE ACTUATION & CONDITION MONITORING
- INTERCHANGABILITY WITH EXISTING PRODUCTS

Testing indicated that extensive machining of internal surfaces has a limited effect on the overall seal pressure capacity of the valve, however flap geometry and shaft bypass leakage to atmosphere are the critical factors in maintaining system pressures.

It was possible to achieve PERFORMANCE IMPROVEMENTS AND OVERALL COST SAVINGS, by careful design and manufacture of the one moving element within the valve, and improving access to this part for servicing.

With this information in mind, the development of a new range of valves has taken only six months for a full range from 50mm to 300mm for flanged types and 50mm to 200mm for spigotted types. Most sizes will generally be available ex-stock.

Standard construction available for all sizes will be:

- CAST IRON BODY WITH MILD STEEL FLAP ASSEMBLY
- CAST ALUMINIUM WITH STAINLESS STEEL FLAP ASSEMBLY
- CAST STAINLESS STEEL (316) WITH STAINLESS STEEL FLAP ASSEMBLY
- POLYURETHANE PARABOLIC SEAL AS STANDARD, OTHER OPTIONS ARE AVAILABLE

Standard flange to 150lb ASA drillings

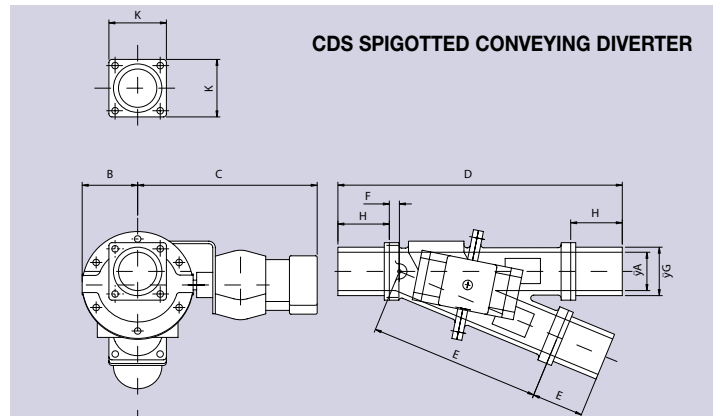
(Alternative drillings will be available on request)

All valves can be manual, pneumatic or electrically operated with standard condition/position monitoring switchgear.

Compatibility with existing installations with 22½° diverting angles can be accommodated.

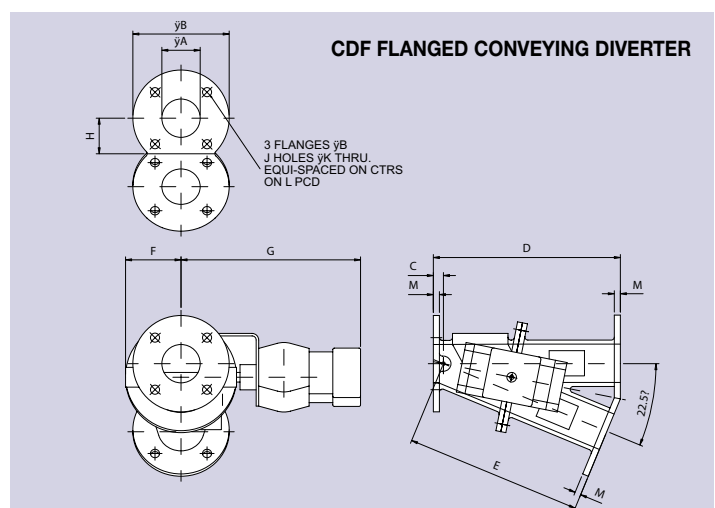
The modular nature of this design allows improved installation, commissioning and field servicing access.

Temperature ranges are - 10°C to 80°C in standard form, other temperatures can be considered.



CDS SPIGOTTED CONVEYING DIVERTER

SIZE	A Dia	B	C	D	E	F	G Dia	H	K
CDS050	50	90	352	483	259	20	60.3	102	95
CDS063	63.5	100	362	503	279	20	73	102	102
CDS075	76	110	372	564	340	20	88.9	102	114
CDS100	102	140	408	589	355	30	114.3	102	127
CDS125	127	160	428	688	454	30	139.7	102	152
CDS150	160	180	476	772	533	35	168.3	102	197
CDS200	203	223	516	920	681	35	219.1	102	238



CDF FLANGED CONVEYING DIVERTER

SIZE	A Dia	B Dia	C	D	E	F	G	H	J	K	L	M
CDF050	50	152	20	310	290	90	352	58	4	19	121	10
CDF063	63.5	178	20	350	330	100	362	65	4	19	140	10
CDF075	76	191	20	371	351	110	372	71	4	19	152	12
CDF100	102	229	30	578	549	140	408	121	8	19	191	12
CDF125	127	254	30	634	604	160	428	120	8	22	216	12
CDF150	160	280	35	760	725	180	476	130	8	22	241	16
CDF200	204	343	35	901	866	223	516	156	8	22	299	16
CDF250	264	406	35	1304	1024	280	633	196	12	25	362	20
CDF300	305	483	72	1541	1241	300	710	242	12	25	432	25

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