

Standard Assembly Unit Installation Data:

- Designed for gravity flow and dilute phase pneumatic conveying systems.
- **Connections:** Band type compression couplings having a thin section are commonly used.
- **Actuation:** Double acting air cylinder. The air cylinder requires a minimum of 80 psig (5.4 bar), filtered, compressed air for most reliable service. Air lubrication is not required but is recommended for extended wear life.
- **Air Control:** A 2 position, 4 way lever or solenoid operated compressed air control is required to operate the air cylinder.
- **Air Usage:** calculated at 80 psig (5.4 bar) for 1 open or 1 closed stroke of the air cylinder.
- **Temperature:** Base model rated at 180° f (82° c) continuous service, 250° f (121° c) intermittent (10 minutes maximum). Higher temperatures can be achieved with high temperature modifications.
- **Hardware:** Imperial models contain imperial hardware & metric models contain metric hardware.

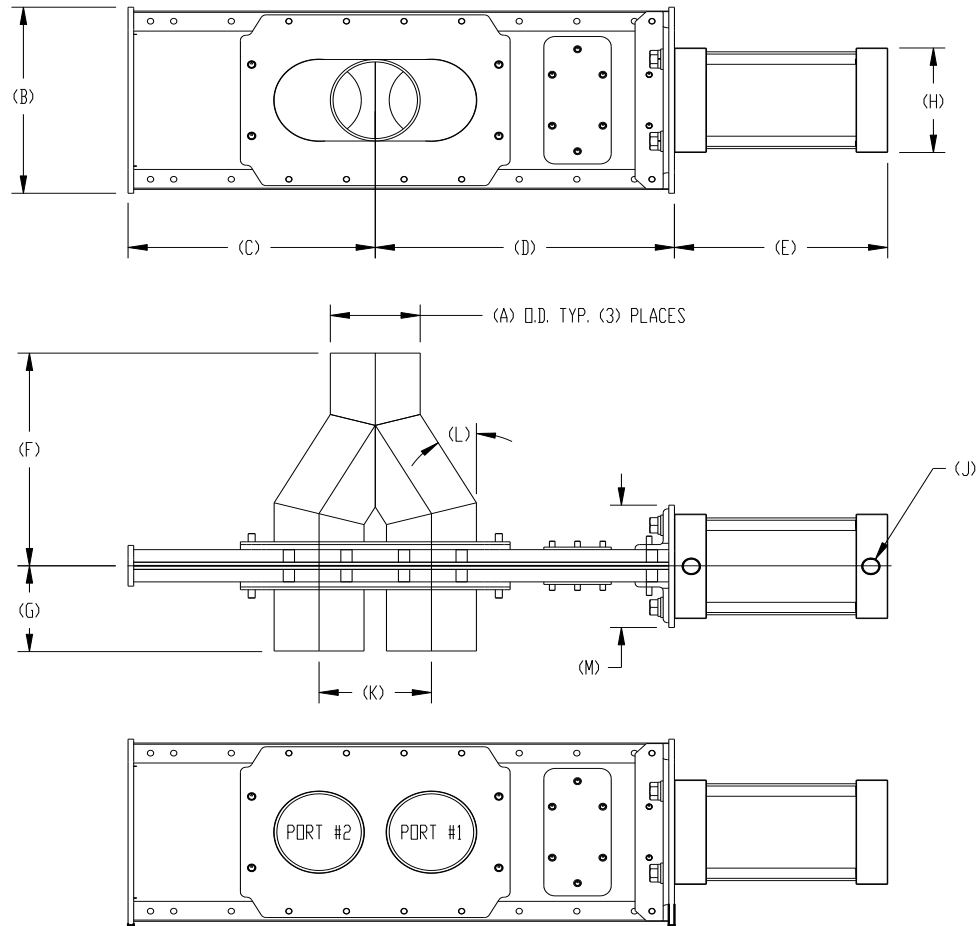
Avoid supporting conveying lines and equipment exceeding 200 lbs (90kg) with the diverter valve.

It is recommended that the conveying system be purged of material prior to shifting the diverter valve.

Note:

- a.) Air cylinder is extended, port #2 is open
- b.) Air cylinder is retracted, port #1 is open

(XX) Material of construction, aluminum (AL), carbon steel (CS), or stainless steel (S4 or S6).



BASE VALVE Imperial / Metric Model	A		B		C		D		E		F		G		H		J		K		L		M		CV	KV	AIR USAGE		WEIGHT	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	NPT	G	in	mm	in	mm	in	mm	SCF	l	Lbs	Kg		
DR2-2(XX) / DR50-2(XX)	2	51	7 1/8	181	6 1/2	165	8 1/4	210	6 1/4	158	7 1/4	185	4 1/8	106	3 1/2	87	3/8	3/8	2 1/2	64	30°	4 1/2	115	1.0	0.86	0.067	1.90	42	19	
DR2.5-2(XX) / DR65-2(XX)	2 1/2	63	8 1/8	206	8 1/2	216	11	278	8	203	8	204	4 1/8	106	4 1/8	105	1/2	1/2	3 1/2	89	30°	5	127	1.0	0.86	0.109	3.09	42	19	
DR3-2(XX) / DR75-2(XX)	3	76	8 1/8	206	8 1/2	216	11	278	8	203	8 5/8	220	4 1/8	106	4 1/8	105	1/2	1/2	3 1/2	89	30°	5	127	1.4	1.20	0.109	3.09	58	26	
DR4-2(XX) / DR100-2(XX)	4	102	9 1/8	232	11	279	13 3/8	338	9 1/2	241	10 3/8	265	4 1/8	106	5 1/8	130	1/2	1/2	5	127	30°	6	152	1.4	1.20	0.302	8.55	73	33	
DR5-2(XX) / DR125-2(XX)	5	127	10 1/8	257	13	330	15 1/2	394	10 3/4	273	12 5/8	322	5 1/8	132	5 1/2	140	1/2	1/2	6	152	30°	6	152	1.4	1.20	0.362	10.25	81	37	
DR6-2(XX) / DR150-2(XX)	6	152	11 1/8	283	15	381	17 1/2	443	11 3/4	298	13 7/8	354	5 1/8	132	5 1/2	140	1/2	1/2	7	178	30°	6 1/8	156	2.6	2.22	0.515	14.58	88	40	
DR8-2(XX) / DR200-2(XX)	8	203	13 1/4	337	20 3/4	527	23 1/4	591	15 3/4	399	19 1/8	487	9 1/8	233	6 1/2	165	1/2	1/2	10	254	45°	7 5/8	195	3.0	2.56	1.055	29.88	165	75	
DR10-2(XX) / DR250-2(XX)	10	254	16	406	28 1/4	718	30 3/4	781	19 7/8	504	21 3/4	552	9 1/2	243	8 1/2	216	1/2	1/2	14	356	45°	15 3/8	391	3.0	2.56	2.562	72.56	278	126	
DR12-2(XX) / DR300-2(XX)	12	305	18	457	33 3/4	857	36 1/4	921	22 7/8	580	24 1/4	615	9 3/4	247	8 1/2	216	1/2	1/2	17	432	45°	15 3/8	391	3.0	2.56	3.111	88.10	305	139	

*Information subject to change without notice | Above information is Vortex standard dimensional information | Contact us if your application needs a non-standard valve | Available specifications and modifications available at www.vortexvalves.com