

**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.

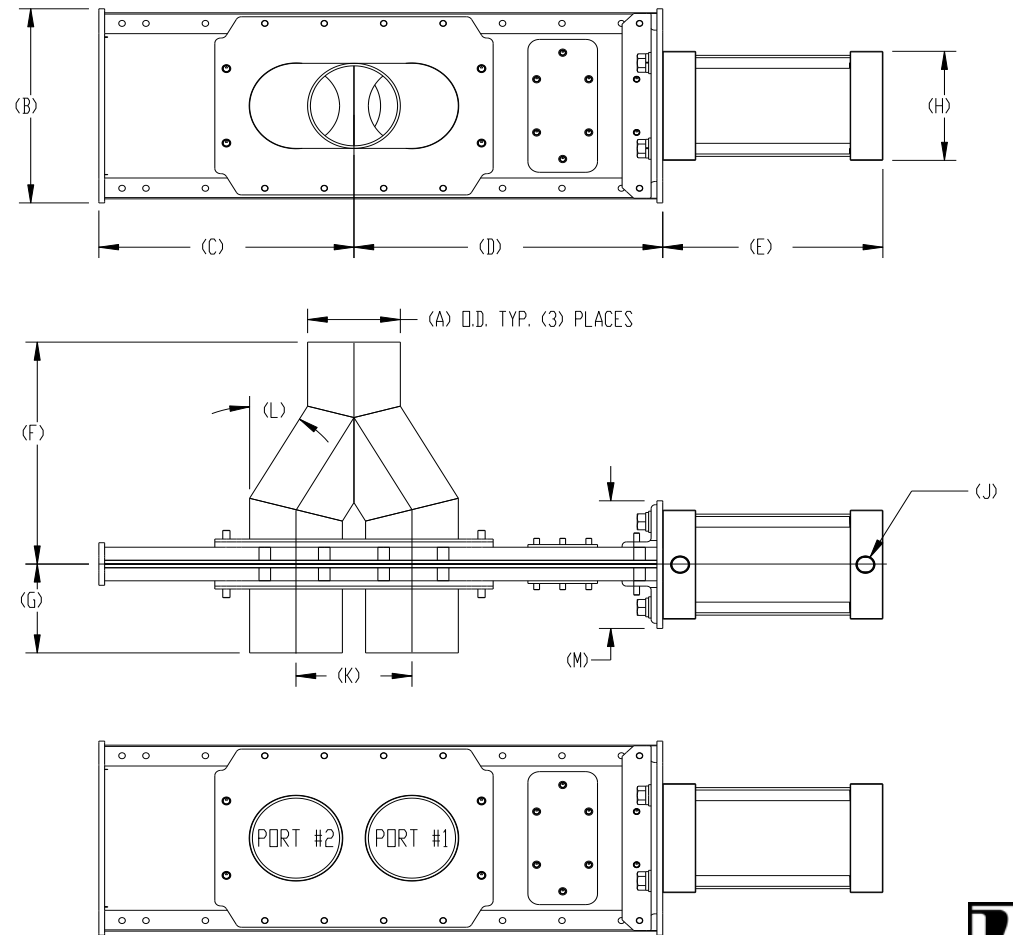
**Avoid supporting conveying lines and equipment exceeding 200 lbs (90kg) with the diverter valve.**

**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			SCF	l	Lbs	Kg
DR2-2(XX)-P(XX) / DR50-2(XX)-P(XX)	2 3/8	60	8 1/8	206	8 1/2	216	10 7/8	278	8	203	10 1/8	258	5 1/8	131	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
DR2.5-2(XX)-P(XX) / DR65-2(XX)-P(XX)	2 7/8	73	8 1/8	206	8 1/2	216	10 7/8	278	8	203	10 1/8	258	5 1/8	131	4 1/8	105	1/2	1/2	3 1/2	89	30°	5	127	1.4	1.20	0.109	3.09	42	19
DR3-2(XX)-P(XX) / DR75-2(XX)-P(XX)	3 1/2	89	9 1/8	232	11	279	13 1/4	338	9 1/2	241	12 3/4	325	6 1/8	157	5 1/8	130	1/2	1/2	5	127	30°	6	152	1.4	1.20	0.302	8.55	58	26
DR4-2(XX)-P(XX) / DR100-2(XX)-P(XX)	4 1/2	114	10 1/8	257	13	330	15 1/2	394	10 3/4	273	13 3/4	351	6 1/8	157	5 1/2	140	1/2	1/2	6	152	30°	6	152	1.4	1.20	0.362	10.25	73	33
DR5-2(XX)-P(XX) / DR125-2(XX)-P(XX)	5 1/2	141	11 1/8	283	15	381	17 3/8	443	11 3/4	298	15 1/4	389	6 1/8	157	5 1/2	140	1/2	1/2	7	178	30°	6 1/8	156	2.6	2.22	0.515	14.58	81	37
DR6-2(XX)-P(XX) / DR150-2(XX)-P(XX)	6 5/8	168	11 7/8	302	20 3/4	527	23 1/4	591	15 3/4	399	15 1/2	394	7	179	6 1/2	165	1/2	1/2	10	254	45°	7 5/8	194	3.0	2.56	1.055	29.88	88	40
DR8-2(XX)-P(XX) / DR175-2(XX)-P(XX)	8 5/8	219	13 7/8	352	24 1/4	616	26 3/4	679	17 7/8	453	19	481	8 1/4	208	8 1/2	216	1/2	1/2	12	305	45°	15 3/8	391	3.0	2.56	2.196	62.18	165	75
DR10-2(XX)-P(XX) / DR200-2(XX)-P(XX)	10 3/4	273	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)-P(XX) / DR225-2(XX)-P(XX)	12 3/4	324	18	457	33 3/4	857	36 1/2	921	22 7/8	580	24 1/4	614	9 5/8	246	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](http://www.vortexvalves.com)