

Standard Assembly Unit Installation Data:

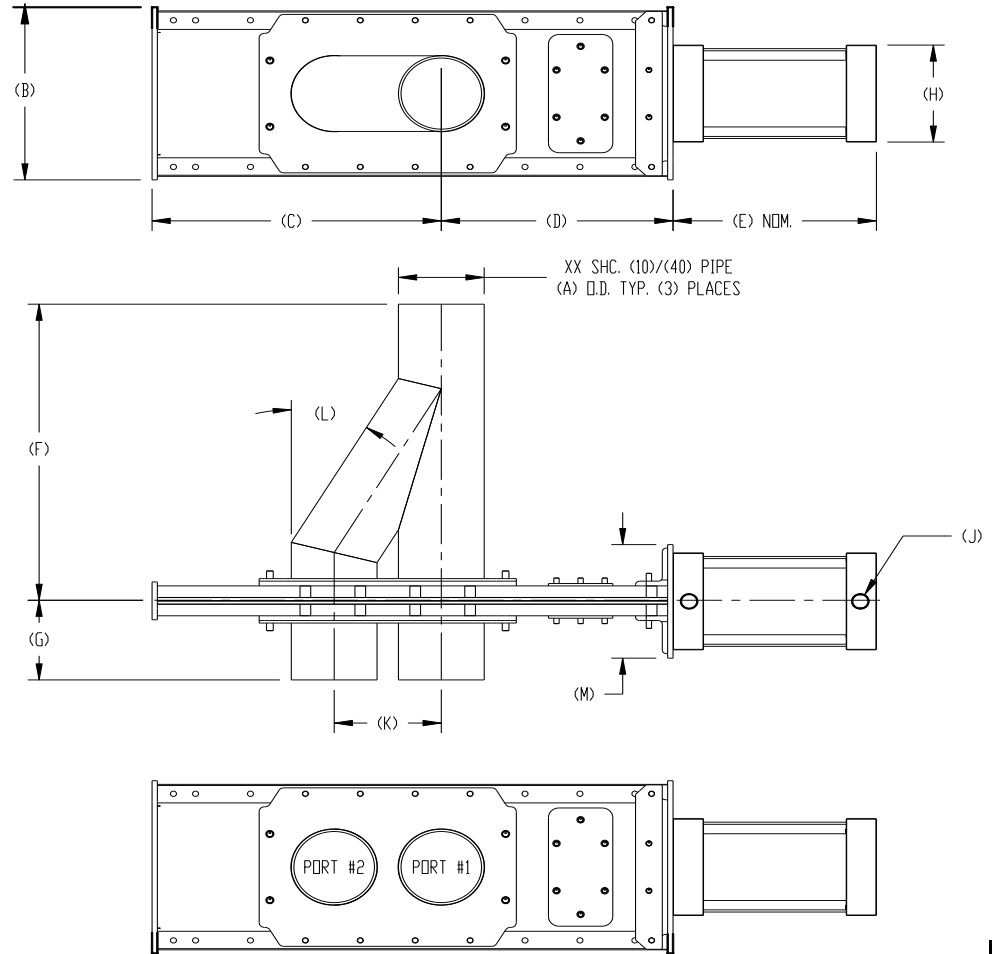
- Designed for gravity flow and dilute phase pneumatic conveying systems.
- **Connections:** Band type compression couplings having a thin section are commonly used.
- **Actuation:** Double acting air cylinder. The air cylinder requires a minimum of 80 psig (5.4 bar), filtered, compressed air for most 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 gate 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	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)-SL-P(XX) / DR50-2(XX)-SL-P(XX)	2 3/8	60	8 1/8	206	10 1/4	260	9 1/8	233	8	203	13 1/8	334	5 1/8	131	4 1/8	105	1/2	1/2	3 1/2	89	30°	5	127	1	0.86	0.109	3.09	42	19	
DR2.5-2(XX)-SL-P(XX) / DR65-2(XX)-SL-P(XX)	2 7/8	73	8 1/8	206	10 1/4	260	9 1/8	233	8	203	13 1/8	333	5 1/8	131	4 1/8	105	1/2	1/2	3 1/2	89	30°	5	127	1.4	1.2	0.109	3.09	42	19	
DR3-2(XX)-SL-P(XX) / DR75-2(XX)-SL-P(XX)	3 1/2	89	9 1/8	232	13 1/2	343	10 3/4	275	9 1/2	241	17 1/8	436	6 1/8	157	5 1/8	130	1/2	1/2	5	127	30°	6	152	1.4	1.2	0.302	8.55	58	26	
DR4-2(XX)-SL-P(XX) / DR100-2(XX)-SL-P(XX)	4 1/2	114	10 1/8	257	16	406	12 1/2	318	10 3/4	273	19 1/8	487	6 1/8	157	5 1/2	140	1/2	1/2	6	152	30°	6	152	1.4	1.2	0.362	10.3	73	33	
DR5-2(XX)-SL-P(XX) / DR125-2(XX)-SL-P(XX)	5 1/2	141	11 1/8	283	18 1/2	470	13 7/8	354	11 3/4	298	21 1/8	538	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	14.6	81	37	
DR6-2(XX)-SL-P(XX) / DR150-2(XX)-SL-P(XX)	6 5/8	168	11 7/8	302	25 3/4	654	18 1/4	464	15 3/4	399	20	504	7	179	6 1/2	165	1/2	1/2	10	254	45°	7 5/8	194	3	2.56	1.055	29.9	88	40	
DR8-2(XX)-SL-P(XX) / DR200-2(XX)-SL-P(XX)	8 5/8	219	13 7/8	352	30 1/4	768	20 3/4	527	17 7/8	453	24 5/8	624	8 1/4	208	8 1/2	216	1/2	1/2	12	305	45°	15 3/8	391	3	2.56	2.196	62.2	165	75	
DR10-2(XX)-SL-P(XX) / DR250-2(XX)-SL-P(XX)	10 3/4	273	16	406	35 1/4	895	23 3/4	603	19 7/8	504	28 7/8	735	9 1/2	243	8 1/2	216	1/2	1/2	14	356	45°	15 3/8	391	3	2.56	2.562	72.6	278	126	
DR12-2(XX)-SL-P(XX) / DR300-2(XX)-SL-P(XX)	12 3/4	324	18	457	42 1/4	1073	27 3/4	705	22 7/8	580	32 7/8	837	9 5/8	246	8 1/2	216	1/2	1/2	17	432	45°	15 3/8	391	3	2.56	3.111	88.1	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