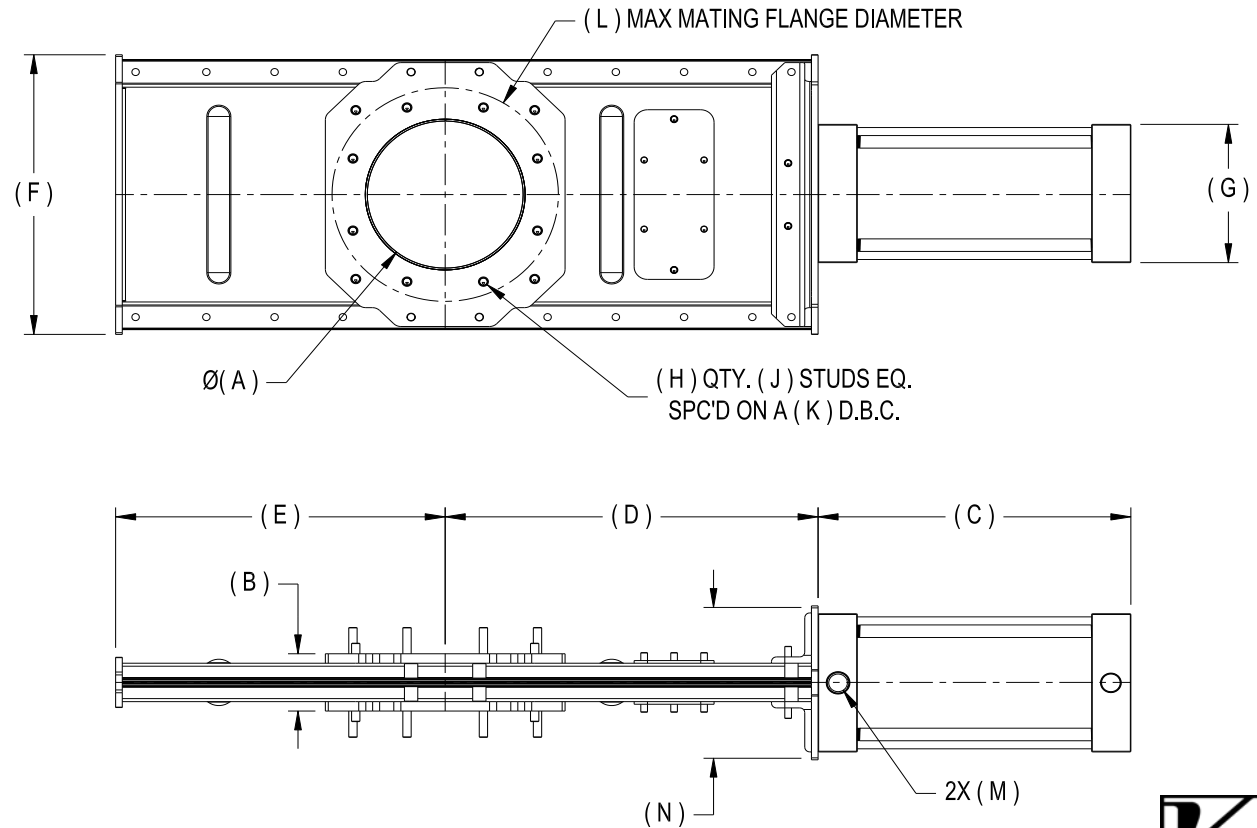


Standard Assembly Unit Installation Data:

- Designed for gravity flow and dilute phase pneumatic conveying systems.
- Connections:** Inlet and outlet have a din PN10 flange pattern with blind tapped holes for flange connection.
- 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 Usage:** Calculated at 80 PSIG [5 bar] for 1 open or 1 closed stroke if 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.
- CAUTION:** Actuators must be supported to prevent misalignment.
- Avoid supporting conveying lines and equipment exceeding 200 lbs [90kg] with the diverter gate valve.**



BASE VALVE Imperial / Metric Model (F,G,J)	A		B		C		D		E		F		G		H	K		K		L		M		N		CV	KV	AIR USAGE		WEIGHT	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm	NPT	G	in	mm			SCF	I	Lbs	Kg
GRA02 / GRA50	1 3/4	45	2	51	6 3/4	171	7 3/8	189	6	152	7 1/8	181	3 3/8	87	4	5/16-18NC	M8-1.0	3 7/8	98	4 3/4	121	3/8	3/8	4 1/2	114	1.0	0.85	0.080	2.26	17	8
GRA2.5 / GRA65	2 1/4	57	2	52	8 1/2	216	8 3/4	224	7 7/8	200	8 1/8	206	4 1/8	105	4	5/16-18NC	M8-1.25	5	127	5 3/4	146	1/2	1/2	5	127	1.0	0.85	0.143	4.05	27	12
GRA03 / GRA75	2 3/4	70	2	52	8 1/2	216	8 3/4	224	7 7/8	200	8 1/8	206	4 1/8	105	4	5/16-18NC	M8-1.25	5	127	5 3/4	146	1/2	1/2	5	127	1.0	0.85	0.143	4.05	27	12
GRA04 / GRA100	3 3/4	96	2 1/4	58	9 1/2	241	10 7/8	276	9 1/4	235	9 1/8	232	5 1/8	130	6	5/16-18NC	M8-1.25	5 1/2	140	6 3/4	171	1/2	1/2	6	152	1.4	1.2	0.302	8.55	33	15
GRA05 / GRA125	4 7/8	123	2 1/4	57	10 1/2	266	12 1/2	317	10 7/8	276	10 1/8	257	5 1/8	130	8	5/16-18NC	M8-1.25	6 1/2	165	7 1/2	190	1/2	1/2	6	152	1.4	1.2	0.362	10.25	38	17
GRA06 / GRA150	5 7/8	149	2 1/4	58	11 3/4	298	14	356	12 3/8	314	11 1/8	283	5 1/2	140	8	5/16-18NC	M8-1.25	7 1/2	191	8 1/2	216	1/2	1/2	6	152	2.6	2.22	0.515	14.58	45	20
GRA08 / GRA200	7 7/8	199	2 1/8	57	13 3/4	349	17	432	15 3/8	391	13 1/4	333	5 1/2	140	8	5/16-18NC	M8-1.25	9 1/2	241	10 1/2	267	1/2	1/2	6 1/8	156	2.6	2.22	0.662	18.74	56	25
GRA10 / GRA250	9 7/8	250	2 7/8	73	16 3/4	424	20	508	18 3/8	467	15 1/8	387	6 1/2	165	8	5/16-18NC	M8-1.25	11 1/2	292	12 1/2	317	1/2	1/2	7 1/8	181	2.6	2.22	1.155	32.70	90	41
GRA12 / GRA300	11 7/8	301	2 7/8	73	18 3/4	475	23	584	21 3/8	543	17 3/8	441	6 1/2	165	12	5/16-18NC	M8-1.25	13 13/16	351	15	381	1/2	1/2	7 1/8	181	2.6	2.22	1.365	38.64	108	49
GRA14 / GRA350	13 7/8	352	2 7/8	73	20 3/4	526	26 1/2	672	24 3/8	619	19 3/8	492	6 1/2	165	12	3/8-16NC	M10-1.5	16	406	17	432	1/2	1/2	7 1/8	181	2.6	2.22	1.575	44.59	140	64
GRA16 / GRA400	15 7/8	403	3 3/8	86	24 1/8	611	33	838	30 1/8	769	23 3/8	595	8 1/2	216	16	3/8-16NC	M10-1.5	18	457	20 1/2	521	1/2	1/2	15 1/4	394	3	2.60	3.340	94.56	200	91

*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