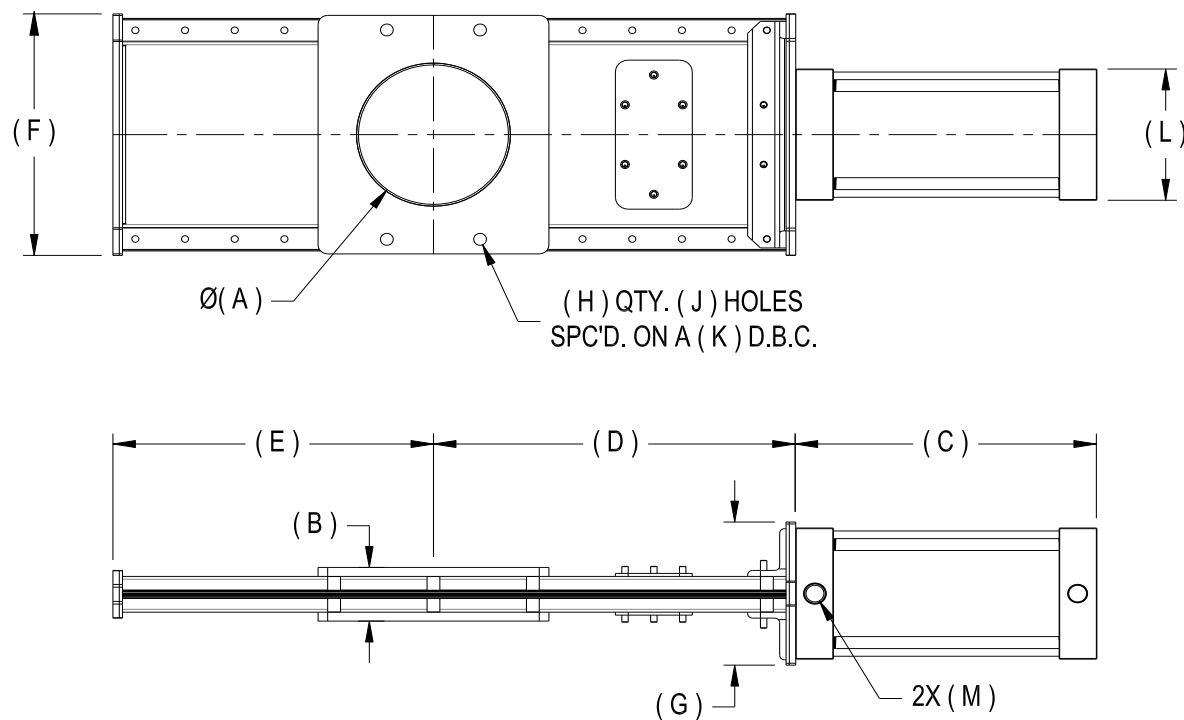


Standard Assembly Unit Installation Data:

- Designed for gravity flow and dilute phase pneumatic conveying systems.
- Connections:** Inlet and outlet match an ansi #125/150 flange pattern with through holes for flange connection. Hole size and quantity have been reduced to accommodate gate design.
- 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 [5.4 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.
- Caution:** Actuator must be supported to prevent misalignment.
- Avoid supporting conveying lines and equipment exceeding 200 lbs [90kg] with the slide gate valve.**



BASE VALVE	A		B		C		D		E		F		G		H	J		K		L		M		CV	KV	AIR USAGE		WEIGHT	
Imperial / Metric Model	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm	NPT	G			SCF	I	Lbs	Kg
GRA02-F-P / GRA50-F-P	1 3/4	45	2	51	6 3/4	171	7 1/2	189	6	152	6 1/8	156	4 1/2	114	2	3/8	10	4 3/4	121	3 1/2	87	3/8	3/8	1.0	0.85	0.080	2.26	17	8
GRA03-F-P / GRA75-F-P	2 3/4	70	2	51	8 1/2	216	8 7/8	225	7 7/8	200	7 1/8	181	5	127	4	3/8	10	6	152	4 1/8	105	1/2	1/2	1.0	0.85	0.143	4.05	27	12
GRA04-F-P / GRA100-F-P	3 3/4	96	2 1/4	57	9 1/2	241	11	281	9 3/8	238	8 1/8	206	6	152	4	3/8	10	7 1/2	191	5 1/8	130	1/2	1/2	1.4	1.2	0.302	8.55	33	15
GRA05-F-P / GRA125-F-P	4 7/8	123	2 1/4	57	10 3/4	273	12 1/2	318	10 7/8	276	9 1/8	232	6	152	4	1/2	13	8 1/2	216	5 1/2	140	1/2	1/2	1.4	1.2	0.362	10.25	38	17
GRA06-F-P / GRA150-F-P	5 7/8	149	2 1/4	57	11 3/4	298	14 1/8	359	12 1/2	318	10 1/8	257	6	152	4	1/2	13	9 1/2	241	5 1/2	140	1/2	1/2	2.6	2.22	0.515	14.58	45	20
GRA08-F-P / GRA200-F-P	7 7/8	199	2 1/4	57	13 3/4	349	17 1/8	435	15 1/2	394	12 1/4	308	6	152	4	1/2	13	11 3/4	298	5 1/2	140	1/2	1/2	2.6	2.22	0.662	18.74	56	25
GRA10-F-P / GRA250-F-P	9 7/8	250	2 7/8	72	16 3/4	424	20 1/8	511	18 1/2	470	14 1/4	362	7 1/8	181	4	1/2	13	14 1/2	368	6 1/2	165	1/2	1/2	2.6	2.22	1.155	32.70	90	41
GRA12-F-P / GRA300-F-P	11 7/8	301	2 7/8	72	18 3/4	475	23 1/8	587	21 1/2	546	16 3/8	416	7 1/8	181	4	1/2	13	17	432	6 1/2	165	1/2	1/2	2.6	2.22	1.365	38.64	108	49
GRA14-F-P / GRA350-F-P	13 7/8	352	2 7/8	72	20 3/4	526	26 1/2	673	24 1/2	622	18 3/8	467	7 1/8	181	4	1/2	13	18 3/4	476	6 1/2	165	1/2	1/2	2.6	2.22	1.575	44.59	140	64

*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