

**STANDARD ASSEMBLY UNIT INSTALLATION DATA**

DESIGNED FOR DRY MATERIAL IN GRAVITY FLOW APPLICATIONS.

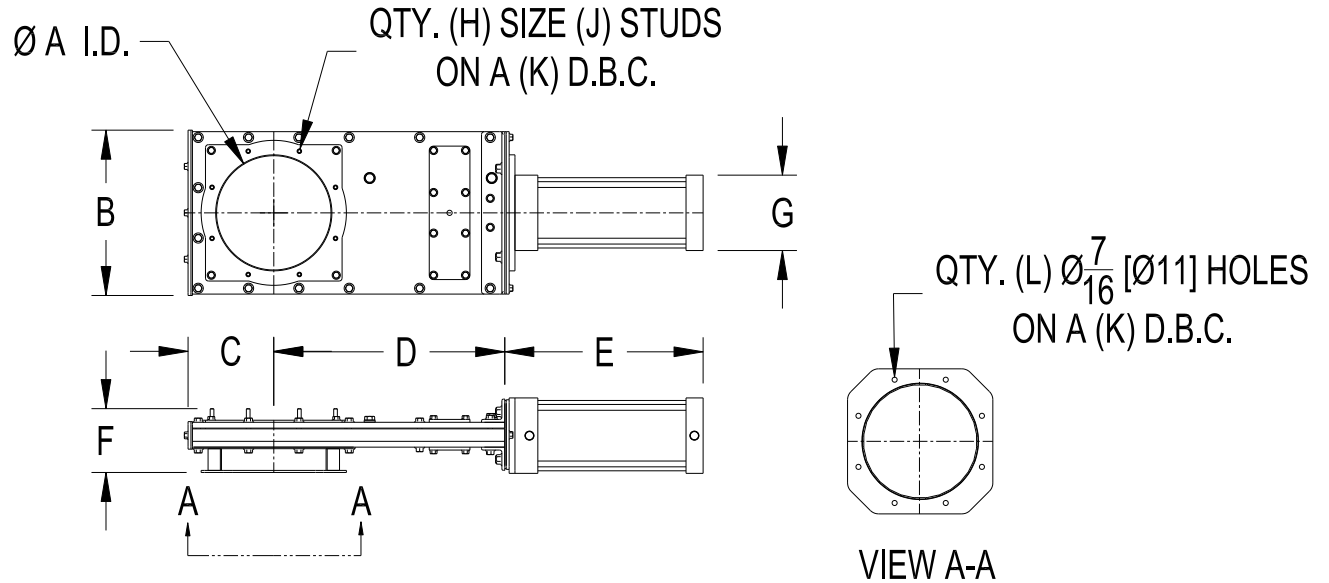
**ACTUATION:** DOUBLE ACTING AIR CYLINDER. THE AIR CYLINDER REQUIRES A MINIMUM OF 80 PSIG (5.4 BAR), FILTERED, COMPRESSED AIR FOR MOST RELIABLE SERVICE. AIR LUBRICATION IS NOT REQUIRED BUT IS RECOMMENDED FOR EXTENDED WEAR LIFE. MAGNETIC PISTON INCLUDED. EXTENDING THE AIR CYLINDER CLOSES THE GATE.

**AIR CONTROL:** A 2 POSITION, 4 WAY LEVER OR SOLENOID OPERATED COMPRESSED AIR CONTROL IS REQUIRED TO OPERATE THE AIR CYLINDER WITH A MINIMUM FLOW OF 2.6 Cv (2.2 Kv) IS RECOMMENDED TO OPERATE THE ACTUATING 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 250° F (121° C) CONTINUOUS SERVICE, 300° F (149° C) INTERMITTENT (10 MINUTES MAXIMUM).

**HARDWARE:** IMPERIAL MODELS CONTAIN IMPERIAL HARDWARE & METRIC MODELS CONTAIN METRIC



Model	A		B		C		D		E		F		G		H	J	K		L	AIR USAGE		WEIGHT	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	THREAD	in	mm	QTY	SCF	I	LBS	KG
JA06V1   150	6	152	10 1/4	260	5 3/8	137	14 3/4	375	11 1/4	286	4 3/4	121	5 1/2	140	8	M8-1.25	7 1/2	191	8	0.576	0.016	54	25
JA08V1   200	8	203	12 1/4	311	6 3/8	162	17 1/4	438	13 3/4	349	4 3/4	121	5 1/2	140	8	M8-1.25	9 1/2	241	8	0.753	0.021	66	30
JA10V1   250	10	254	14 1/4	362	7 3/8	187	20 1/4	514	16 3/4	425	5 1/2	140	6 1/2	165	8	M8-1.25	11 1/2	292	8	1.299	0.036	95	43
JA12V1   300	12	305	16 1/4	413	8 3/8	213	23 3/4	603	18 3/4	476	6 1/4	159	6 1/2	165	12	M8-1.25	13 13/16	351	12	1.546	0.043	115	52
JA14V1   350	14	356	18 1/4	464	9 3/8	238	26 1/2	673	20 3/4	527	6 7/8	175	6 1/2	165	12	M10-1.5	15 13/16	402	12	1.794	0.050	146	66
JA16V1   400	16	406	20 1/4	514	10 3/8	264	29 1/2	749	22 3/4	578	6 7/8	175	6 1/2	165	16	M10-1.5	18	457	16	2.041	0.057	170	77

\*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)