

# Side Entry Airlock (SEA) Valves

formerly a  
**FLO-TRONICS**   
 product



The Side Entry Airlock Valve (**SEA**) contains offset inlet and outlet ports to reduce product shearing. It is used especially with extremely hard pelletized or chip material.

With the SEA valve's side entry inlet and outlet ports this airlock can work in situations where the typical drop-thru airlocks can not. The SEA features the round 150 lb. heavy-duty flanges located on the drop-thru valve.

## Construction (material designation- housing/end plates/rotor)

	CI/CI/CS	SS/SS/SS	AL/AL/SS
<b>Housing</b>	Gray Iron Class 30 150 lb. round flange connection Dense chrome coat (internal surface)	Cast Alloy CF-8 (304 SS) 150 lb. round flange connection Dense chrome coat (internal surface)	Aluminum Cast Alloy 356-T6 150 lb. round flange connection Hard anodized (internal surface)
<b>End Plates</b>	Gray Iron Class 30 Outboard bearing design Dense chrome coated faces	Cast Alloy CF-8 (304 SS) Outboard bearing design Dense chrome coated faces	Aluminum Alloy 356-T6 Outboard bearing design Hard anodized face
<b>Maximum Pressure Rating</b>	15 PSI differential	15 PSI differential	15 PSI differential
<b>Available Rotor Options</b>	Special coatings Open adjustable tip rotor Beveled tips Closed end rotor Motion switch Seal purge with lantern rings End plate purge (with enclosed rotor) Adjustable metering slide gate	Open adjustable tip rotor Beveled tips Closed end rotor Motion switch Seal purge with lantern rings End plate purge (with enclosed rotor) Adjustable metering slide gate Optional SS (304L, 316, 316L)	Open adjustable tip rotor Beveled tips Closed end rotor Motion switch Seal purge with lantern rings End plate purge (with enclosed rotor) Adjustable metering slide gate

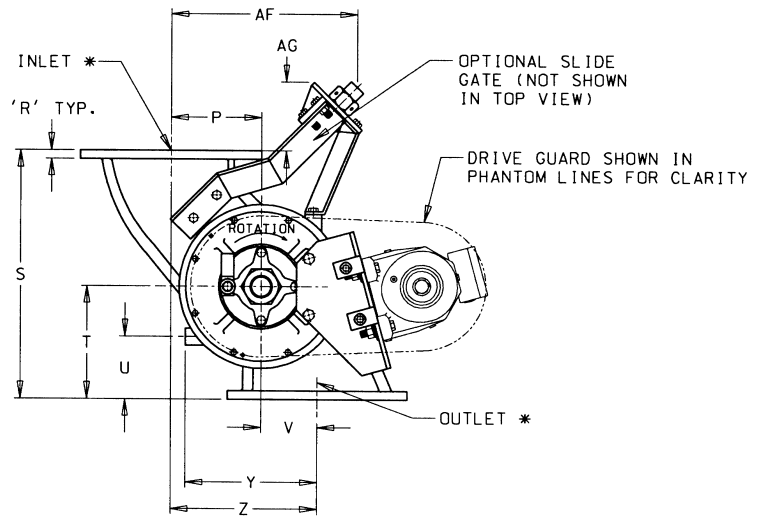
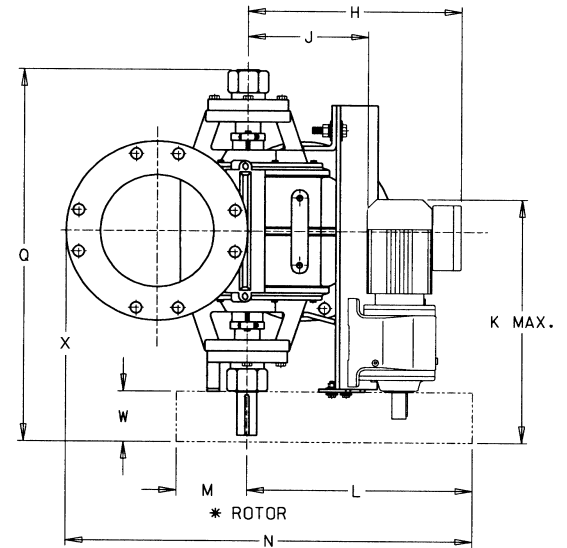


**Features**

- Heavy duty cast design
- 150 lb. drilling heavy duty flanges
- Outboard bearings
- Air purge provisions in casting
- Air vent provisions in casting
- Built in adjustable slide gate to meter flow into pockets and reduce shearing in inlet
- Parallel drive
- OSHA approved enclosed drive guard
- 250° F temperature design
- 15 PSI pressure differential
- Open end rotors with fixed square tips
- Tail shaft drilled and tapped for motion switch
- MAC white paint standard

**Options:**

- Motion indicator
- Variable speed drives
- Vent port adapters



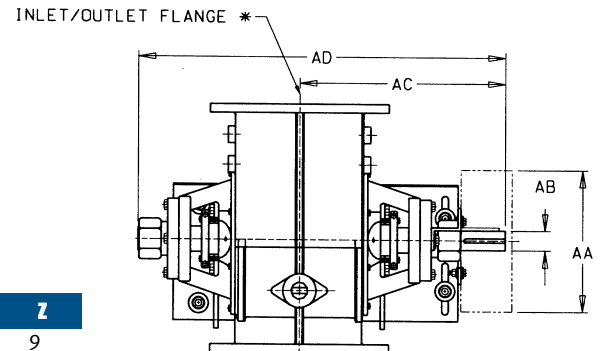
Model	EST. WT. LBS.			MOTOR H.P.	CFR
	304 SS	GI	AL		
SEA-15	390	370	250	3/4	.15
SEA-30	440	418	360	3/4	.29
SEA-60	600	570	455	1	.57
SEA-120	980	930	660	1 1/2	1.26
SEA-200	1475	1400	940	3	2.33
SEA-300	1830	1740	1340	3	3.02
SEA-400	2140	2030	1650	5	4.23

**Dimensions (IN.)**

Model	AA	AB	AC	AD	AF	AG	H	J	K	L
SEA-15	14 1/4	1 1/4	14 1/2	26 7/16	15 5/32	7 3/8	18 1/4	9 9/16	27 15/16	18 11/16
SEA-30	16 1/16	1 3/4	16 3/4	30	18 3/32	9 1/2	19 3/16	10 1/2	27 15/16	19 9/16
SEA-60	12 3/4	1 3/4	18 1/4	33	20 7/8	10 1/16	20 3/8	11 3/4	27 15/16	20 1/16
SEA-120	20	1 3/4	20 3/16	37 1/8	27 17/32	15 1/16	23 15/16	13 1/16	29 1/8	23 1/16
SEA-200	25 1/8	1 3/4	23 3/16	43 3/8	28 1/8	14 1/4	26 1/16	14 15/16	34 3/8	25 1/16
SEA-300	30 7/8	1 3/4	23 7/8	44 9/16	32 7/16	16 11/32	29 11/16	18 9/16	35 13/16	30 7/16
SEA-400	26 7/8	2 3/8	27 9/16	49	34 5/16	17 1/4	31 1/8	20	37 11/16	32 1/8

**Dimensions (IN.)**

Model	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
SEA-15	6 13/16	30 3/16	6	28 3/16	5/8	15 1/2	7	4 1/16	3	4 3/8	16 7/8	8	9
SEA-30	6 3/4	34 5/16	8	30 3/4	5/8	18 1/2	8	4 1/4	4	4 5/8	17 1/2	9 3/4	12
SEA-60	6 3/8	36 1/16	8	33 11/16	3/4	22	10	5 1/2	5	4 5/8	18 15/16	11 3/4	13
SEA-120	10	44 15/16	12	37 15/16	3/4	27 1/2	12	6 7/8	6	4 7/8	21	15	18
SEA-200	12 9/16	47 15/16	12	43 3/4	3/4	29 1/2	14	7 3/8	7	4 3/4	21 3/16	16 3/8	19
SEA-300	15 7/16	55 11/16	13 1/2	46 7/16	1	33 1/2	15 7/8	8 5/8	8	5 7/8	25 3/4	19 5/8	21 1/2
SEA-400	13 7/16	59 3/8	14 1/4	49 7/8	1	36 1/2	17 1/4	9 3/4	9	5 7/8	27 11/16	21	23 1/4



Dimensions are for an SEA with a parallel drive, please consult your MAC Sales Representative for dimensions on bare SEA airlocks.