

TYPE FA, 90 DEGREE, 45 DEGREE

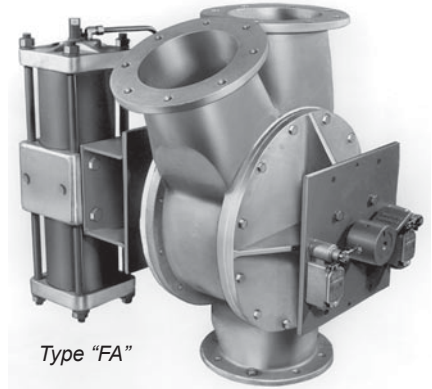
APPLICATION:

FLSmidth Diverter/Converger Pipeline Valves provide positive and dependable switching of material flow in pressure or vacuum pneumatic conveying systems. These valves are used primarily in industries where product integrity or purity is required using stainless steel or aluminum construction for conveying purposes.

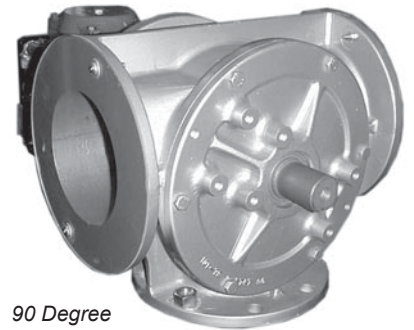
SPECIFICATION:

- 3", 4", 5", 6", 8", 10" & 12" (75, 100, 125, 150, 200, 250 & 300 mm) sizes available
- 15 PSIG (1.1 Kg/cm²) & 150°F (65°C) std. design
- Lip type shaft seals
- Non lubricating type bearings
- Double acting air cylinder
- NEMA 4, 7, 9 electrical rating
- Dual solenoid w/manual override, 120 V.
- 2 SPDT limit switches
- Prepipd and prewired to a switch box
- Combinations of aluminum/stainless steel materials of construction
- Flanged connections

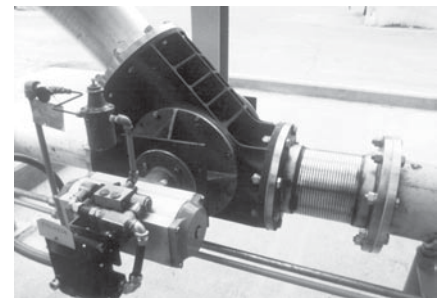
Options: Voltages, special materials and coatings, DPDT switches, temperature, electric motors and hand lever actuators



Type "FA"



90 Degree



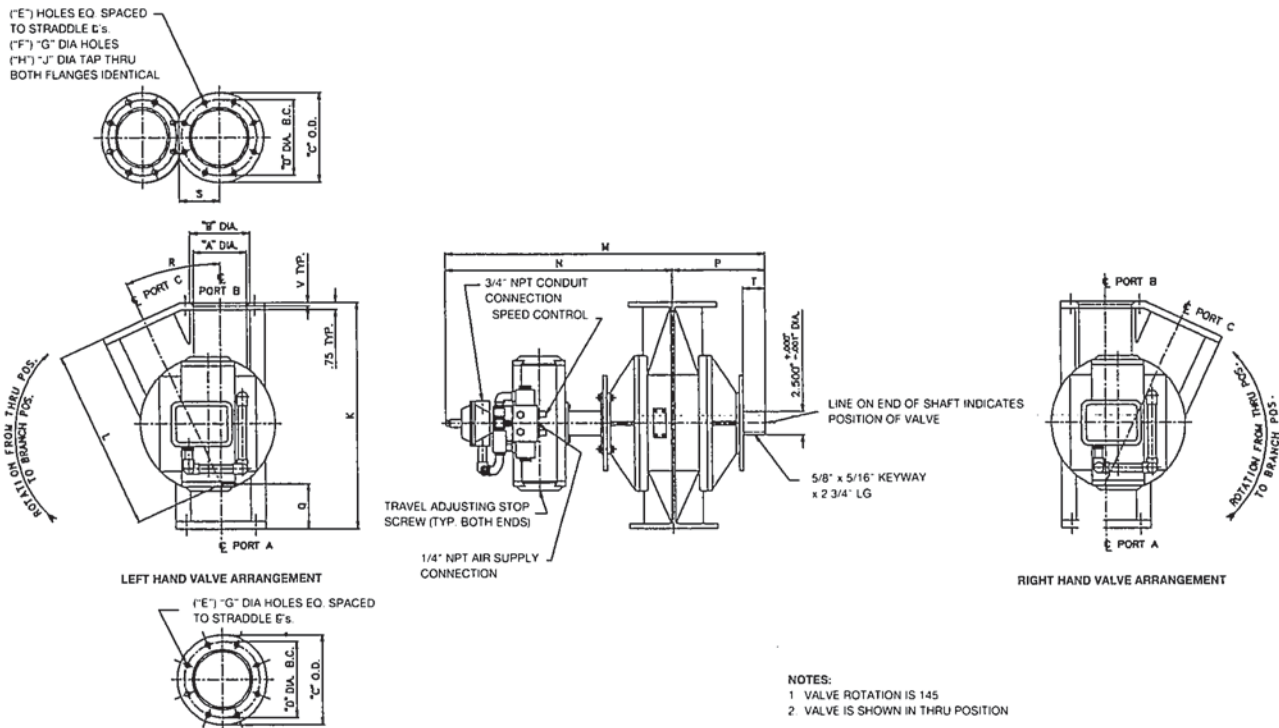
45 Degree

FEATURES	BENEFITS
Cast heavy duty ribbed design	• Ensures dimensional stability
Interchangeable right/left hand actuator packages	• Easy field changes in congested areas
90°, 45° & 30° divert angles	• Matches plant standard • Retrofit applications
Solenoids & limit switches - pre-piped & prewired to a switch box	• Eliminates field labor • Convenient one point connection
Standard NEMA 4, 7, & 9 electrical rating	• Allows usage throughout plant - hazardous & non-hazardous
Plug, tunnel or shoe type rotors	• For smooth handling of pelleted or powder material
Straight thru design	• For diverter/converger service

DIVERTER / CONVERGER VALVE

FOR THE PLASTIC INDUSTRY

TYPE FA DIVERTER



SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V
3"	3"	3-5/16"	6-1/2"	5"	6"	4"	9/16"	2	1/2"-13	18"	13-5/8"	2' 7-15/16"	23-1/8"	8-13/16"	4-3/8"	25'	-	2-3/8"	3/8"
4"	4"	4-5/16"	7-1/2"	6"	8"	6"	9/16"	2	1/2"-13	22"	16-15/16"	2' 8-13/16"	23-9/16"	9-1/4"	5-1/16"	25'	-	2-3/8"	3/8"
5"	5"	5-5/16"	8-1/2"	7"	8"	6"	9/16"	2	1/2"-13	2' 0"	19-3/16"	2' 10-1/16"	2' 0-3/16"	9-7/8"	4-13/16"	25'	-	2-3/8"	3/8"
6"	6-1/16"	6-3/8"	9-1/2"	8"	8"	6"	9/16"	2	1/2"-13	2' 0"	19-3/16"	2' 10-1/16"	2' 0-3/16"	9-7/8"	4-13/16"	25'	-	2-3/8"	3/8"
8"	8"	8-1/16"	12-1/2"	11"	8"	6"	9/16"	2	1/2"-13	2' 1"	20-13/16"	3' 7-1/4"	2' 5-3/4"	13-1/2"	4-13/16"	30'	5-9/16"	3-1/4"	3/8"
10"	10"	10-7/16"	14"	13"	8"	6"	9/16"	2	1/2"-13	2' 11-3/4"	2' 3-3/4"	2' 6-11/16"	3' 9-1/8"	14-7/16"	8"	30'	7-7/16"	3-1/4"	3/8"
12"	12-3/8"	-	19"	17"	12"	10"	1"	2	7/8"-9	3' 8"	2' 11-1/2"	4' 2"	2' 9-7/8"	16-1/8"	8-1/2"	30'	-	3-3/4"	1"

Dimensions in inches

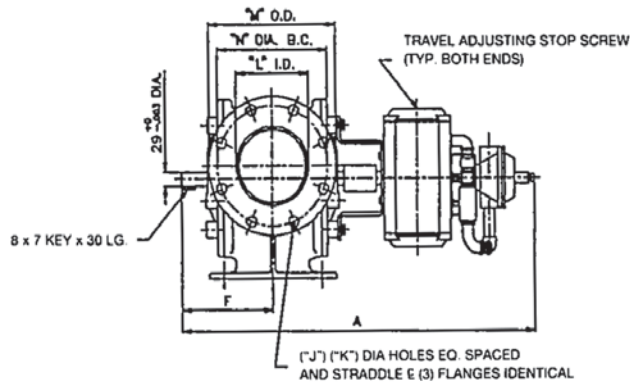
WEIGHT CHART (LBS) HAND LEVER OPERATED							
MATERIALS	3"	4"	5"	6"	8"	10"	12"
A.A.A.	65	85	110	120	160	330	465
A.A.S.	100	128	205	215	240	504	844
S.S.S.	195	255	330	360	480	990	1395
S.A.S.	165	210	275	300	400	825	1162
EMO/AMO ADDER	75	75	75	75	100	100	130

NOTE: (AAA) = Aluminum body, rotor and end plates
 (AAS) = Aluminum body and end plates, with stainless steel rotor
 (SSS) = Stainless steel body, rotor and end plates
 (SAS) = Stainless steel body and rotor, with aluminum end plates

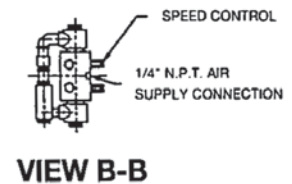
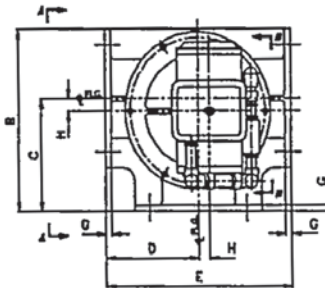
DIVERTER / CONVERGER VALVE

FOR THE PLASTIC INDUSTRY

90 DEGREE DIVERTER



VIEW A-A



NOTES:

1. ALL DIMENSIONS ARE MILLIMETERS EXCEPT AS SHOWN
2. VALVE IS SHOWN IN THRU POSITION
3. R.H. VALVE IS SHOWN - FOR L.H. VALVE ACTUATOR IS MOUNTED ON OPPOSITE SIDE.
4. FLANGE DRILLING IS IN ACCORDANCE WITH ASA 150#

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N
390	634	235	140	110	250	130	12	15	4	20	80	190	152
590	745	328	200	160	360	188	15	20	8	22	135	255	215
690	614	365	225	175	400	200	15	25	8	22	160	280	241
890	694	473	300	200	500	240	15	50	8	22	210	345	298
1090	904	565	362	238	600	270	20	62	12	25	260	405	362
1290	961	666	423	277	700	300	20	73	12	25	310	485	432

Dimensions in inches

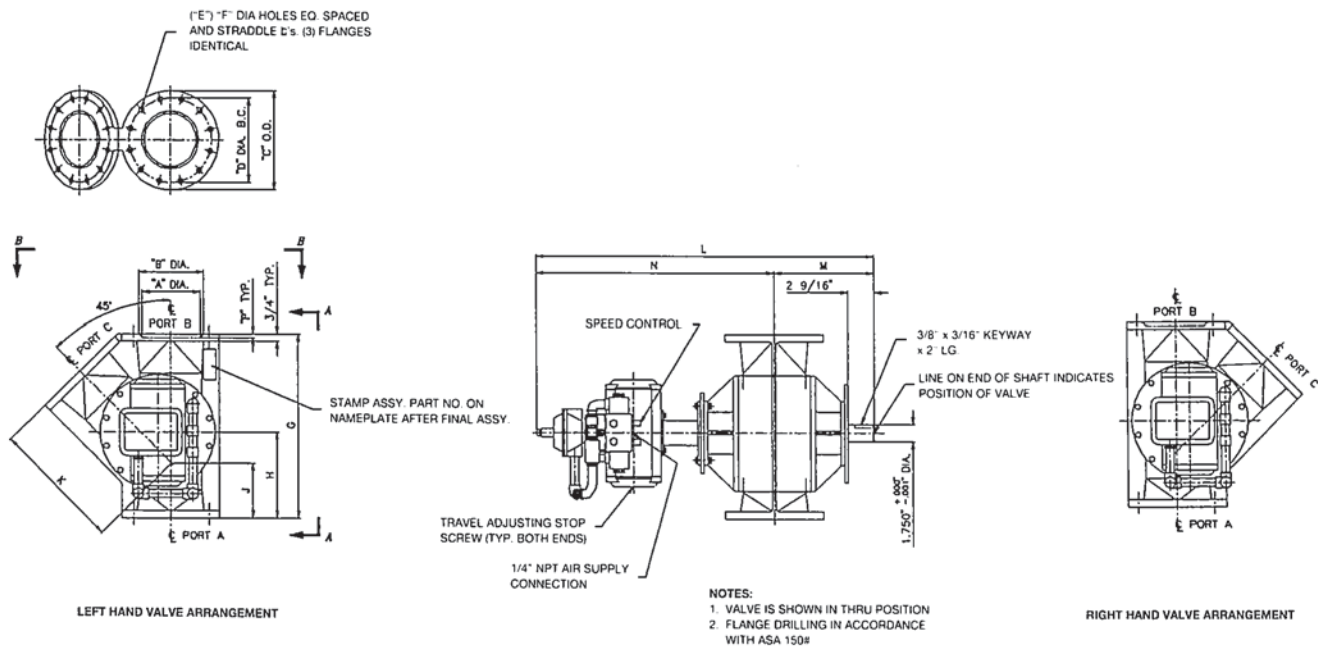
WEIGHT CHART (LBS) HAND LEVER OPERATED						
MATERIALS*	3"	5"	6"	8"	10"	12"
A.A.A.	50	65	95	130	200	300
A.A.S.	75	100	148	200	310	465
S.S.S.	150	195	285	390	600	900
S.A.S.	125	165	240	325	500	750
EMO/AMO ADDER	60	60	60	60	60	60

NOTE: (AAA) = Aluminum body, rotor and end plates
 (AAS) = Aluminum body and end plates, with stainless steel rotor
 (SSS) = Stainless steel body, rotor and end plates
 (SAS) = Stainless steel body and rotor, with aluminum end plates

DIVERTER / CONVERGER VALVE

FOR THE PLASTIC INDUSTRY

45 DEGREE DIVERTER



SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P
345	3"	3-1/4"	7-1/2"	6"	4"	3/4"	6-1/2"	8-29/32"	6-1/2"	10"	2' 3-3/8"	6-5/8"	20-3/4"	1/4"
445	4"	4-1/4"	9"	7-1/2"	8"	3/4"	17-3/4"	8-3/8"	5-1/16"	12-11/16"	2' 4-5/8"	7-1/4"	21-3/8"	5/16"
545	5"	5-5/16"	10"	8-1/2"	8"	7/8"	18-3/4"	8-11/16"	5-9/16"	13-3/16"	2' 5-5/8"	7-3/4"	21-7/8"	5/16"
645	6"	6-3/8"	11"	9-1/2"	8"	7/8"	20-3/4"	9-11/16"	6-9/16"	14-3/16"	2' 7-5/8"	8-3/4"	22-7/8"	3/8"
845	8"	8-3/8"	13-1/2"	11-3/4"	8"	7/8"	23-5/8"	10-27/32"	6-3/16"	17-7/16"	2' 10-1/4"	10-1/16"	2' 0-3/16"	3/8"
1045	10"	10-7/16"	16"	14-1/4"	12"	1"	2' 5-1/2"	14-1/2"	9-1/8"	20-3/8"	2' 11-7/8"	10-7/8"	2' 1"	3/8"
1245	12"	12-3/8"	19"	17"	12"	1"	2' 9-1/2"	16-1/8"	9-1/2"	2' 0"	3' 1-1/2"	11-11/16"	2' 1-13/16"	3/8"

Dimensions in inches

WEIGHT CHART (LBS) HAND LEVER OPERATED							
MATERIALS*	3"	4"	5"	6"	8"	10"	12"
A.A.A.	60	70	75	105	140	210	330
A.A.S.	90	105	115	160	210	315	495
S.S.S.	180	210	225	315	420	630	990
S.A.S.	150	175	190	265	350	525	825
EMO/AMO ADDER	75	75	75	75	75	75	75

NOTE: (AAA) = Aluminum body, rotor and end plates
(AAS) = Aluminum body and end plates, with stainless steel rotor
(SSS) = Stainless steel body, rotor and end plates
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