



ROTARY CUTOFF DISCHARGE VALVE

Application:

The Fuller rotary cutoff discharge valve provides positive cutoff for unrestricted flow of pulverized materials from storage containers.

Specification:

Our rotary cutoff discharge valve is designed for high operating efficiency and long life. Constructed of rugged cast iron, the valve is precisely machined to maintain alignment and assure smooth rotor operation. Standard design to operate with material temperatures up to 200°F (93° C).

Body

Rugged cast iron construction machined for close tolerance.

Rotor

Unique rotor design provides double seal, at top and bottom, in the closed position for positive cutoff.

OPERATION

Three methods of operation are available for the rotary cutoff valves:

Manual. Manually operated valve includes machined cast iron valve with steel manually-operated lever with positive stop.

Air-operated. The air-operated valve includes machined cast iron valve completely assembled with air cylinder operator, single solenoid control and one limit switch SPDT, closed position, complete with guard. Electrical requirements: single phase, 115/230/460 volt AC, 60 Hz. 50 to 100 PSIG clean plant air required.

Motor operated. Motor-operated valve includes cast iron valve completely assembled with right angle combination gear motor with brake and two limit switches complete with guard. Electrical requirements: 3 phase, 230/460 volts AC, 60 Hz.

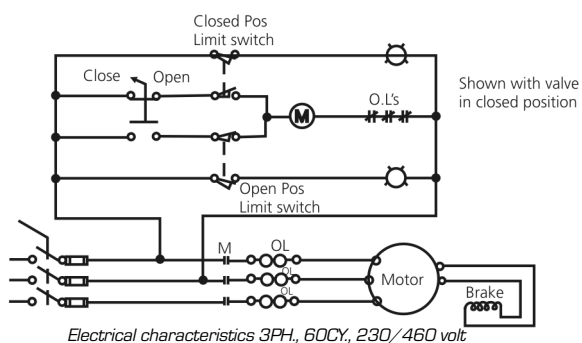
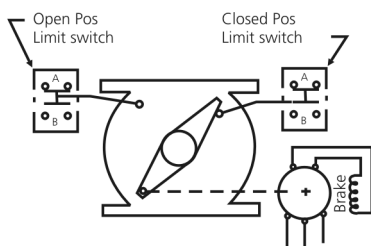
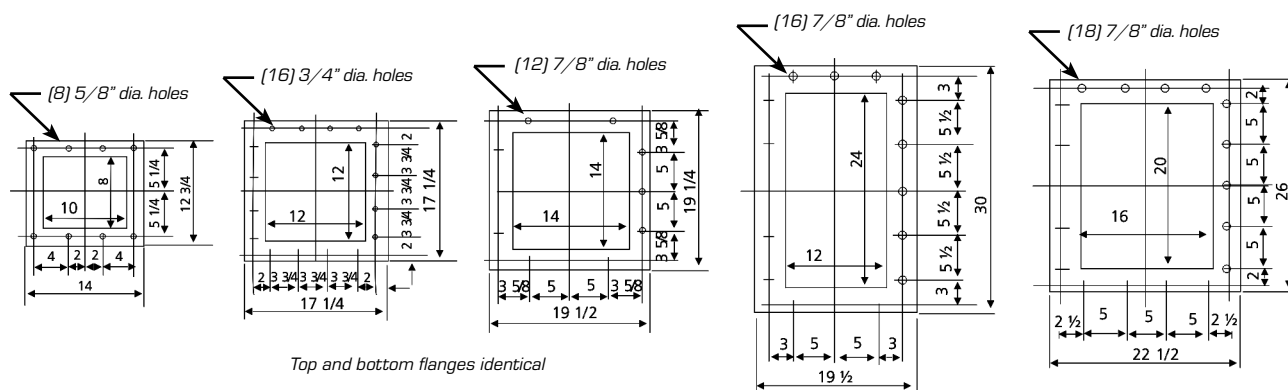


Special Order Options

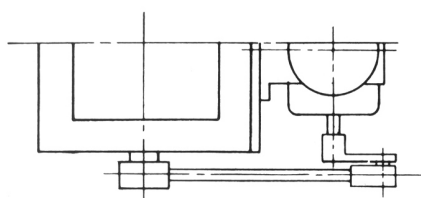
Limit switches for manual operation. Explosive-proof motor, brake and switches. Air-operated with double solenoid valve and two open-and-closed limit switches, special voltages, temperature designs to 400°F (204°C), V-notch rotors, air operated positioners.

Size	Manual	Air-operated *	Electric motor	
	Part Number	Part Number	Part Number (RH)	Part Number (LH)
203 x 254mm (8 x 10")	116-72-4-1024-00	116-72-4-1039-04	116-78-4-1006-00	116-78-4-1008-00
305 x 305mm (12 x 12")	116-72-4-1021-00	116-72-4-1036-04	116-78-4-1005-00	116-78-4-1009-00
356 x 356mm (14 x 14")	116-72-4-1022-00	116-72-4-1037-04	116-78-4-1004-00	116-78-4-1010-00
305 x 610mm (12 x 24")	116-72-4-1023-00	116-72-4-1038-04	116-78-4-1003-00	116-78-4-1011-00
406 x 508mm (16 x 20")	116-72-4-1025-00	116-72-4-1040-04	116-78-4-1007-00	116-78-4-1012-00

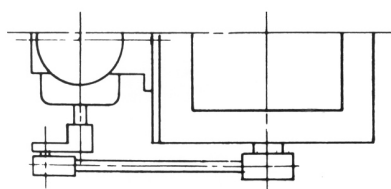
* Specify 115, 230 or 460 Volts AC, 60 Hz



Electric motor operation



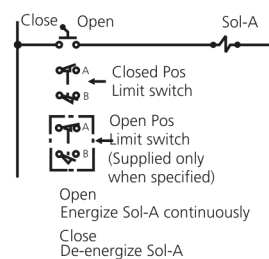
Typical - all size valves, right-hand operation



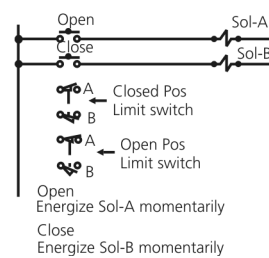
Typical - all size valves, left-hand operation

Electric motor operation

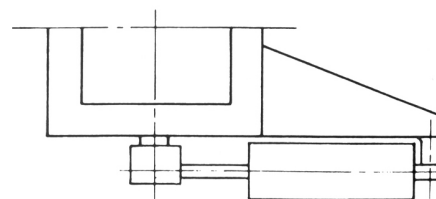
Single coil solenoid valve



Double coil solenoid valve

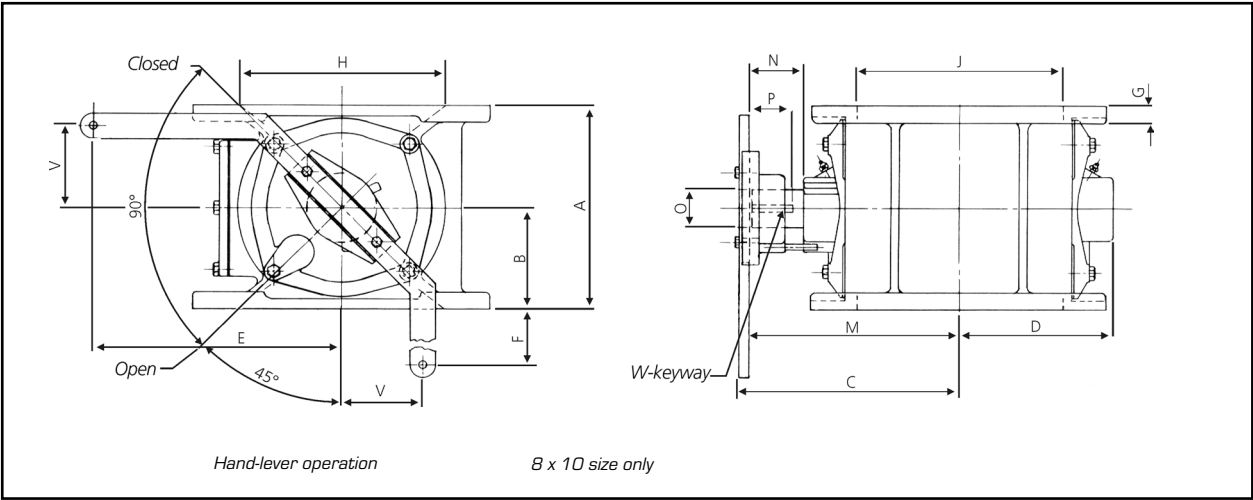
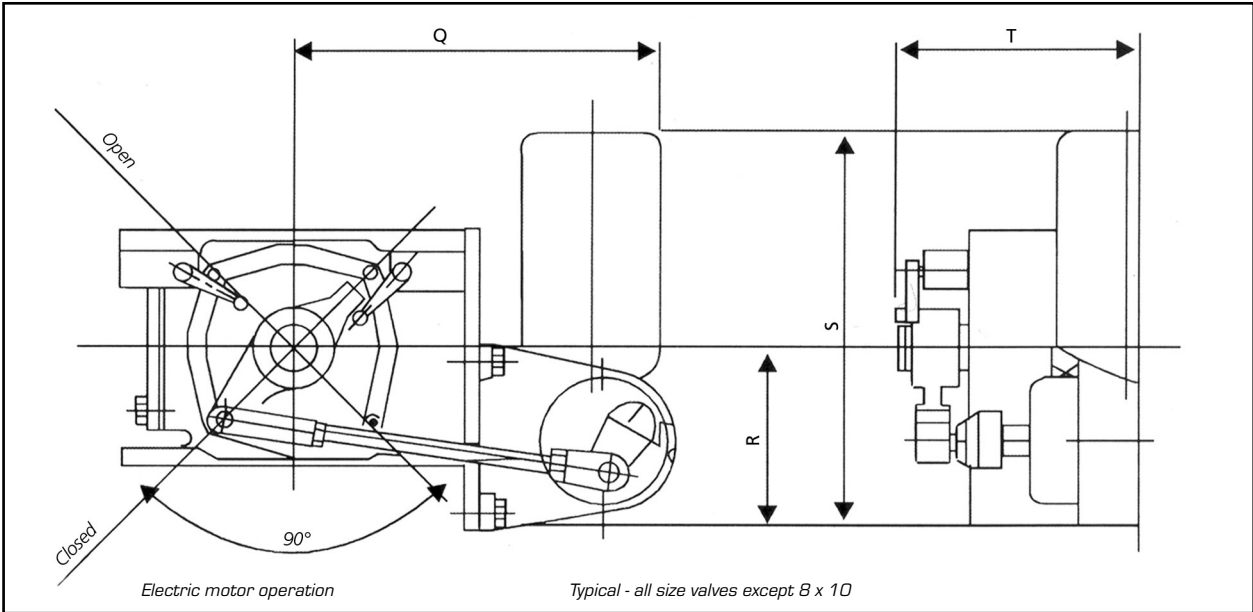
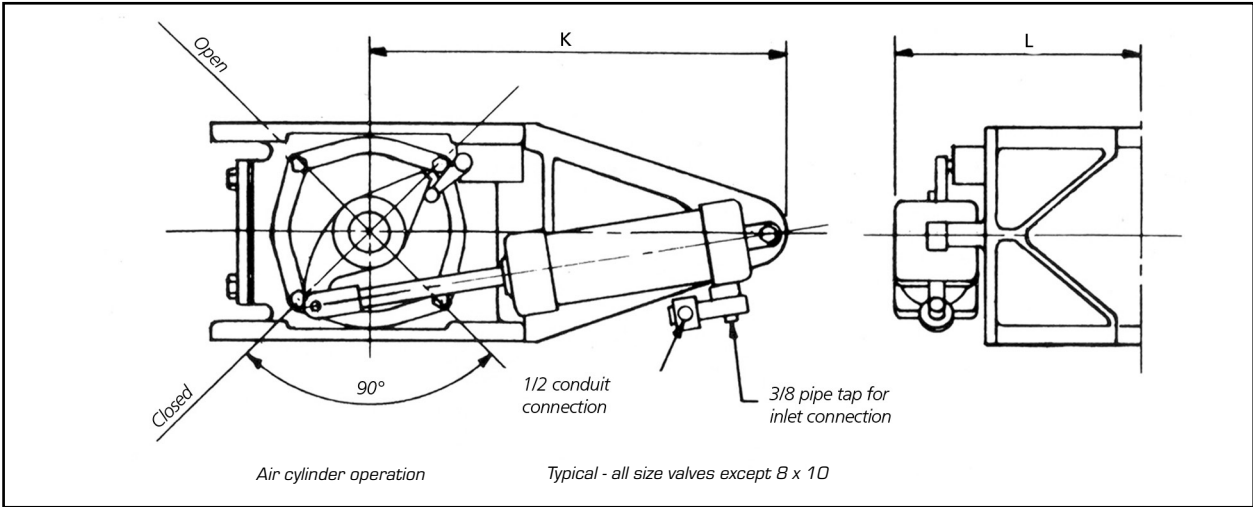


Air cylinder operation

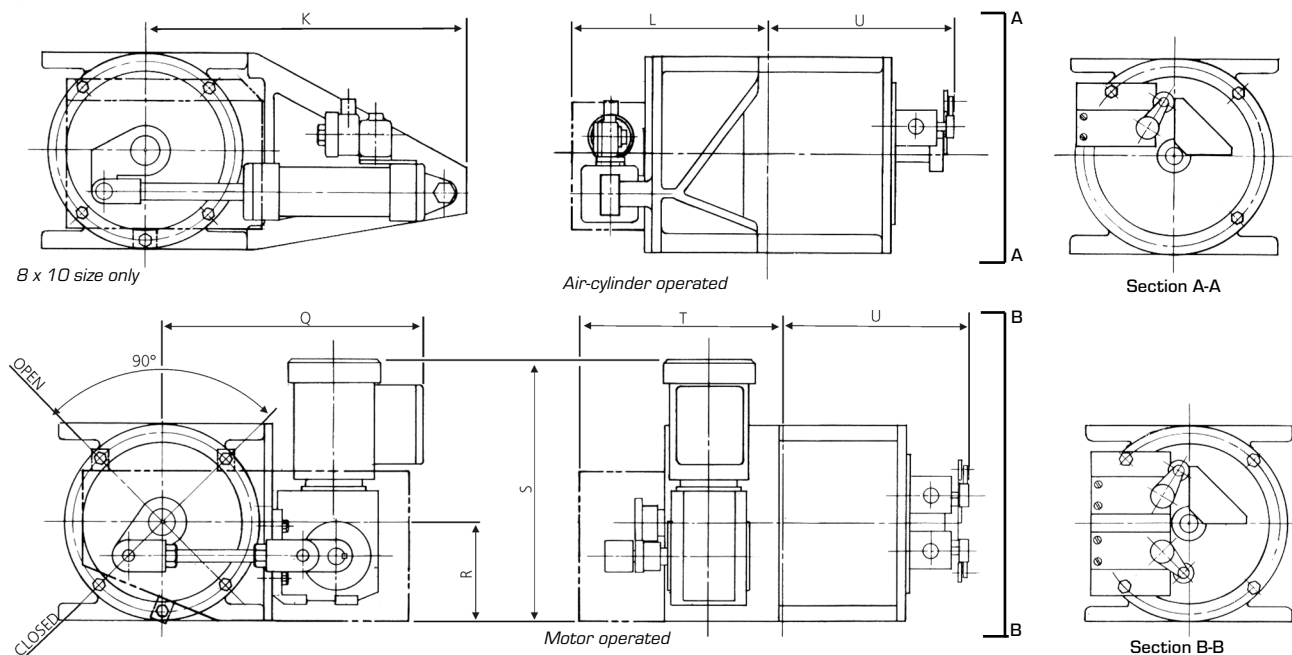


Typical - all size valves, right-hand operation

Air cylinder operation



Dimensions



Size	A		B		C		D		E		F		G		H		J		K		L		M	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
203 x 254mm (8x10")	304.8	12	152.4	6	247.7	9 3/4	190.5	7 1/2	374.7	14 3/4	222.3	8 3/4	25.4	1	203.2	8	254.0	10	495.3	19 1/2	288.9	11 3/8	250.8	9 7/8
305 x 305mm (12x12")	304.8	12	152.4	6	323.9	12 3/4	228.6	9	374.7	14 3/4	222.3	8 3/4	25.4	1	304.8	12	304.8	12	585.6	23 1/16	346.1	13 5/8	308.0	12 1/8
356 x 356mm (14x14")	368.3	14 1/2	184.2	7 1/4	346.1	13 5/8	254.0	10	374.7	14 3/4	190.5	7 1/2	25.4	1	355.6	14	355.6	14	585.6	23 1/16	374.7	14 3/4	330.2	13
305 x 610mm (12x24")	368.3	14 1/2	184.2	7 1/4	485.8	19 1/8	384.2	15 1/8	374.7	14 3/4	190.5	7 1/2	25.4	1	304.8	12	609.6	24	585.6	23 1/16	511.2	20 1/8	469.9	18 1/2
406 x 508mm (16x20")	584.2	23	292.1	11 1/2	435.0	17 1/8	333.4	13 1/8	374.7	14 3/4	82.6	3 1/4	25.4	1	406.4	16	508.0	20	841.4	33 1/8	435.0	17 1/8	419.1	16 1/2

Size	N		O		P		Q		R		S		T		U		V		W	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
203 x 254mm (8x10")	44.5	1 3/4	49.2	1 15/16	38.1	1 1/2	346.1	13 5/8	152.4	6	508.0	20	295.3	11 5/8	263.5	10 3/8	129.4	5 3/32	6.4 x 3.2	1/4 x 1/8
305 x 305mm (12x12")	79.4	3 1/8	57.2	2 1/4	50.8	2	406.4	16	203.2	8	495.3	19 1/2	311.2	12 1/4	-	-	129.4	5 3/32	11.1 x 5.6	7/16 x 7/32
356 x 356mm (14x14")	76.2	3	68.7	2 11/16	69.9	2 3/4	435.0	17 1/8	235.0	9 1/4	495.3	19 1/2	339.7	13 3/8	-	-	129.4	5 3/32	15.9 x 7.9	5/8 x 5/16
305 x 610mm (12x24")	85.7	3 3/8	68.7	2 11/16	69.9	2 3/4	469.9	18 1/2	244.5	9 5/8	550.9	21 11/16	469.9	18 1/2	-	-	129.4	5 3/32	15.9 x 7.9	5/8 x 5/16
406 x 508mm (16x20")	88.9	3 1/2	68.7	2 11/16	60.3	2 3/8	509.6	20 1/16	292.1	11 1/2	609.6	24	419.1	16 1/2	-	-	129.4	5 3/32	15.9 x 7.9	5/8 x 5/16

Size	Hand-op		Electric motor		Air cylinder		Capacity	
	kg	Lbs	kg	lbs	kg	lbs	m³/hour	ft³/hour
203 x 254mm (8x10")	120	265	159	350	156	345	85.0	3000
305 x 305mm (12x12")	136	300	170	375	181	400	113.3	4000
356 x 356mm (14x14")	204	450	238	525	261	575	198.2	7000
305 x 610mm (12x24")	295	650	352	775	363	800	453.1	16000
406 x 508mm (16x20")	431	950	499	1100	499	1100	849.6	30000

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