

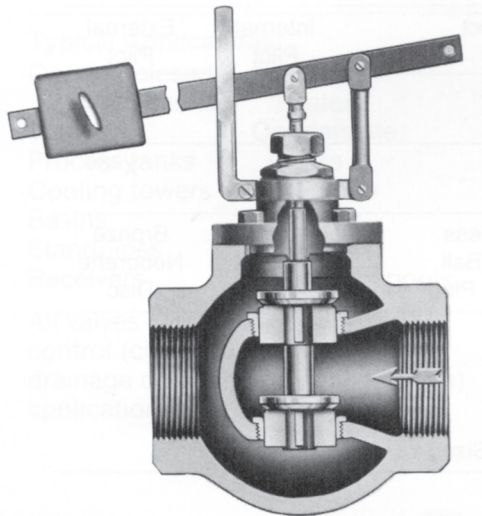
FLOAT VALVE NO. 27 LEVER VALVE NO. 62

Balanced Double Seated (not tight closing)
Globe or Angle

BRONZE • CAST IRON • STAINLESS STEEL BODY



NO. 27 GLOBE



NO. 62 GLOBE

Application/Service: The No. 27 double seated float valve is the type most widely used for the automatic control of the supply of liquids to an open tank where dead-end closing is not essential and valve inlet pressures are normal. Many thousands are in use on large and small water, oil and chemical storage tanks in all types of industries.

Where a drop-tight closing float valve, or a valve for higher than ordinary pressure is required, one of the single seated valves, described on the following pages, should be selected. The maximum inlet pressures for the sizes of the No. 27 valve are shown in the table on the opposite page.

The No. 62 lever valve is the same valve minus the float, float rod and rosette. It may be operated by a float inside a closed tank or float cage; by hand or electric solenoid as a quick opening valve; and wherever a double seated sliding stem valve is required.

Construction: These valves are all metal, simple in operation, sturdy in construction and of the best materials and workmanship. A double seated inner valve, as illustrated, is standard. Both angle and globe pattern bodies are available in all the sizes. The standard valve can be adapted to nearly any installation.

The swivel yoke, which supports the lever, can be turned and secured at any angle. The length and angle of the float rod can be adjusted at the rosette so that the valve can be easily adapted to various locations.

Materials: In sizes 1½ inch and smaller, the No. 27 and No. 62 valves have bronze bodies and trim with integral seats. In sizes 2 inches and larger, the standard bodies are cast iron with bronze trim and removable seats. Stainless steel trim can also be supplied. All iron, all bronze and all stainless steel valves can be supplied at extra cost in many sizes.

Operation: As ordinarily assembled and used as a filling controller, the inner valve in the No. 27 rises and opens as the float drops with the water level. With the lever reversed, the float and inner valve move in the same direction so that the valve will open on level rise and can be used as a drainage controller.

In the same manner, the No. 62 valve may be assembled for either direct or reverse movement.

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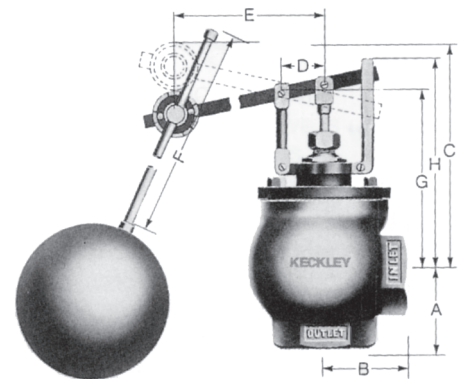


NO. 27 GLOBE

Installation: A float valve when used on a water tank installation is best located near the surface of the water with the float where it will be least disturbed by waves. The discharge pipe extending below the surface helps to prevent waves. Where sanitary regulations forbid the use of such a discharge pipe because of the possibility of siphoning out of the tank, the discharge may flow into a funnel and perforated pipe. The angle pattern will avoid the need for an elbow

Note that the inlet of the No. 27 valve is at the side of the angle pattern body.

The valve stem should be vertical to avoid friction and wear on the inner valve sliding on its side. The valve will operate just as well if inverted, but the lever must be reversed. If space limitations require the valve to be installed with stem horizontal in a vertical pipe, a lever bent 90° can be supplied. The valve may be submerged, if desired.



NO. 27 ANGLE (SIDE INLET)

LIST OF PARTS

Body
Inner Valve
Seat Bushings ^{upper}_{lower}
Valve Stem
Stem Clevis

Packing Box
Cover
Swivel Guide Yoke
Guide Arm
Lever

Float
Float Rod
Float Bolt and Nut
Rosette

NO. 27—DIMENSIONS—WEIGHTS (approximate)

Size Inches	A—Inches Angle Pattern			B—Inches Angle Pattern			Face to Face—Inches Globe Pattern			Angle and Globe Inches					Float Diameter Inches	Shipping Weight—Lbs			Capacity Factor See Page 11	Max. Inlet Pressure
	Std. Scr.	Std. Flg.	Ex. Hvy. Flg.	Std. Scr.	Std. Flg.	Ex. Hvy. Flg.	Std. Scr.	Std. Flg.	Ex. Hvy. Flg.	C	D	E	F	G		Std. Scr.	Std. Flg.	Ex. Hvy. Flg.		
1/2	2	—	—	2	—	—	4 1/2	—	—	8 3/8	1 1/8	13 1/8	16	5	7	10	—	—	.04	150
3/4	2	—	—	2	—	—	4 1/2	—	—	8 3/8	1 1/8	13 1/8	16	5	7	10	—	—	.15	150
1	2 1/2	—	—	2 1/2	—	—	4 3/4	—	—	8 3/4	1 1/8	13 1/8	16	5 3/8	7	13	—	—	.24	150
1 1/4	2 1/2	—	—	2 1/2	—	—	4 3/4	—	—	8 3/4	1 1/8	13 1/8	16	5 1/4	7	14	—	—	.40	120
1 1/2	2 1/2	—	—	2 1/2	—	—	4 3/4	—	—	8 3/4	1 1/8	13 1/8	16	5 1/4	7	14	—	—	.57	100
2	4 1/4	4 1/4	4 1/2	3 1/4	3 1/4	3 1/2	6 1/2	6 1/2	7	12 3/4	2	17 3/8	16	8 1/2	7	29	38	42	1.4	75
2 1/2	5 1/4	5 1/4	6 3/8	3 1/2	4 1/8	4 3/8	7 1/2	8 1/8	8 1/8	13 3/4	2	17 3/8	18	9 1/4	8	45	65	75	1.7	60
3	5 3/4	5 3/4	6 3/8	4 3/8	4 3/8	5	9 1/4	9 1/4	10	14 1/4	2	17 3/8	18	9 3/8	8	67	86	100	2.3	50
4	—	6 1/8	7 1/4	—	5 3/8	5 1/8	—	10 3/4	11 3/8	14 1/2	2	17 3/8	18	10 3/8	8	—	120	137	4.4	35
5	—	6 3/8	7 1/4	—	6 3/8	7 1/8	—	12	12 1/2	19	2 1/2	20 1/2	24	12 1/2	10	—	168	190	7.5	30
6	—	8 1/8	8 3/8	—	6 1/2	6 1/8	—	13	13 3/8	19 3/4	2 1/2	20 1/2	24	13	10	—	194	229	10.2	25
8	—	8 3/8	8 3/8	—	8 3/8	8 3/8	—	16 3/4	17 3/4	25 3/8	3	28	30	16 3/8	10	—	342	409	15.7	20
10	—	10 1/4	10 1/8	—	10 1/4	10 1/8	—	20 1/4	21 1/8	29 3/4	3	41	30	18 1/2	12	—	480	572	25.0	15
12	—	11 1/8	12 1/8	—	11 1/8	12 1/8	—	22 1/2	24 1/8	32	3	41	30	20	12	—	715	853	40.0	12

Certified Dimensional Sheets Available