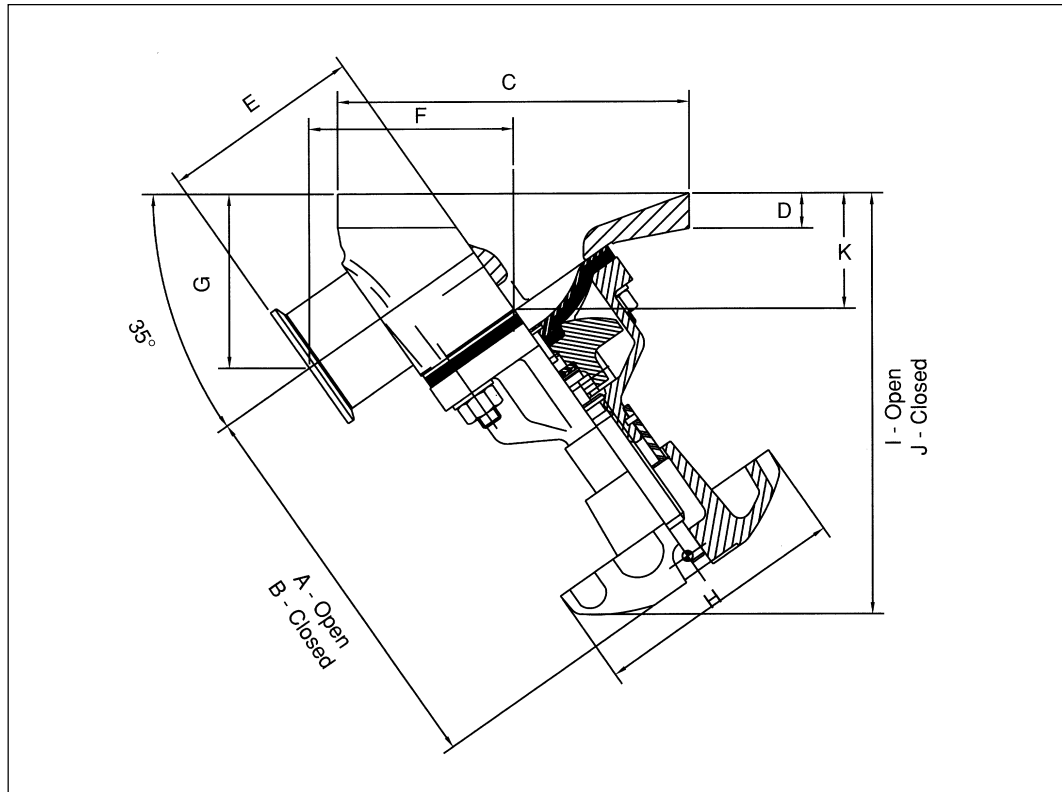


# Saunders

## FULLY FORGED TANK BOTTOM VALVE – MANUAL



### Typical Applications

- Bioreactors and fermenters
- Sterile holding vessels
- WFI (water for injection) storage tanks

### End Connections

#### Buttweld

- 16 ga. tube (STD)
- SCH, 5, 10, 40 (OPT)

Tri-Clamp® (STD)

### Body Material

Forged stainless steel to ANSI 316L/1.4435 specifications. Other materials are available upon request.

### Surface Finish

Mechanically polished to a 25 Ra, 20 Ra, or 10 Ra with electropolishing optional.

### Size Range

1/2" to 3" (DN15 to DN80)

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## FULLY FORGED TANK BOTTOM VALVE – MANUAL

### Operation

Fully compatible with complete range of Saunders manual bonnets. Also available with EC compact slotted actuators and Century-series diaphragm actuators.

### Diaphragms

Available with Saunders' unique range of fully traceable FDA-compliant diaphragms.

Table 1: Diaphragm Dimensions

Size		A		B		C		D		E		F		G		H		I		J		K	
in	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
½	15	4	103	3.8	97	2.6	65	0.2	6	2.1	54	2	51.7	1.8	45.4	2.4	62	3.5	88	3.2	81	0.7	19
1	25	5.2	131	4.8	122	4.2	107	0.5	12	2.5	63.5	2.5	63.2	2.3	59.5	3.1	80	4.5	114	4.1	104	1.5	39
1½	40	7.2	183	6.6	167	5.5	140	0.6	16	3.1	79.5	3.2	81.2	2.8	72.1	4.7	120	6.5	164	5.8	147	1.9	49.5
2	50	7.9	202	7	179	6.5	166	0.6	16	3.7	95	3.8	97	3.2	82.2	4.7	120	7.3	185	6.3	161	2.2	55.2
3	80	13	331	11.7	297	9.3	237	0.8	20	5	127	5.2	132.1	4.2	107	9.8	250	11	275	9.4	240	2.9	74.3

NOTE: Weld-End and Tri-Clamp have same E, F, and G dimensions.

Table 2: Tank Bottom Body Weights

Size		Weight	
in	mm	lb	kg
½	15	1	0.4
1	25	3.5	1.6
1½	40	7.3	3.3
2	50	10	4.5
3	80	30	13.5