

SPECIFICATIONS:

PSI/Temperature Rating

Metering Station:

240 PSI/250° F

QuickSet:

175 PSI (14"-18": 150 PSI)¹/250° F

Low Loss Venturi:

Carbon Steel with Piezo-Ring to average low signal pickup.

Body Material:

Carbon Steel SA-53 Grade B

Butterfly Valve²:

Bronze disk, 400 series S.S. stem

End Connections:

Steel flanges ANSI B16.5-RF Class 150

Body Tappings:

1/4" NPT with Brass P/T test valves

Accessory Ports:

Port 1: 1/4" for Air Vent

Port 2: 3/4" for Thermowell

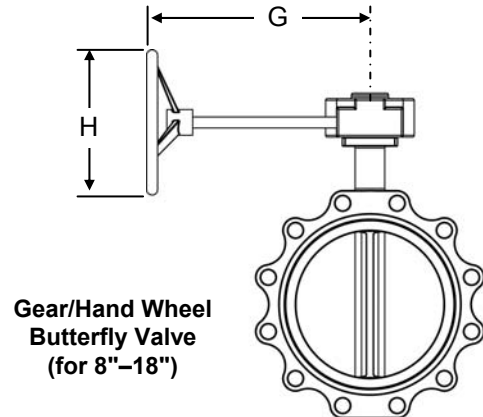
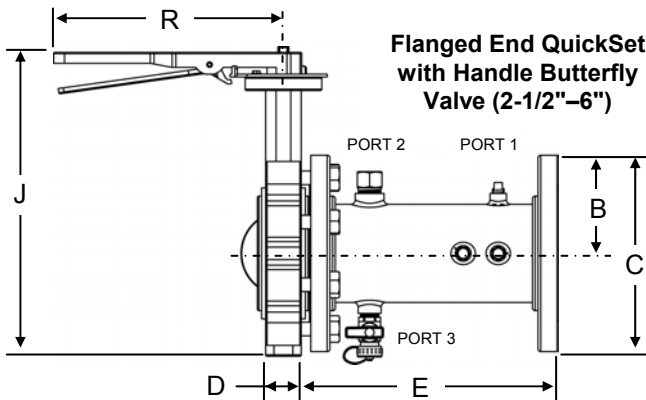
Port 3: 1/2" for Drain Valve

Valve comes fully assembled.

Assembly:

No straight-run is necessary for normal operation. Consult chart (F-4439) for exact Flow Constant and Permanent Pressure Drop calculations.

Installation:



FLOW RATES (+/-1%³)

LINE SIZE	MODEL NO.	Metering Station Cv ⁴	QuickSet Cv ⁴	GPM RANGE FOR 20"-100" W.C. ΔP (SET W/100" GAUGE)	GPM RANGE FOR 20"-300" W.C. ΔP (SET W/300" GAUGE)
2-1/2"	3QFM	169	134	39 – 87	39 – 151
3"	3QFN	242	189	66 – 147	66 – 255
4"	3QFP	506	387	116 – 260	116 – 451
5"	3QFQ	680	566	165 – 372	165 – 645
6"	3QFR	900	782	272 – 624	272 – 1075
8"	3QFS	1800	1561	525 – 1180	525 – 2045
10"	3QFT	3900	3149	725 – 1610	725 – 2790
12"	3QFU	4930	4232	1249 – 2790	1249 – 4820
14"	3QFV	6800	5906	1548 – 3420	1548 – 5940
16"	3QFW	8900	7821	2490 – 5525	2490 – 9575
18"	3QFX	13000	11153	3305 – 7405	3305 – 12830

NOTES

¹ Higher PSI ratings are available. Contact factory.

² Butterfly valve is standard on QuickSet only.

³ Accuracy is based on Griswold's manufacturing tolerances. Accuracy for determining flowrate will be affected by the accuracy of the meter used to set the valve.

⁴ Cv's are used to calculate permanent pressure drop. $PSID=(Flow/Cv)^2$. Consult chart F-4439 for flow measurement.

Replaces form F-4088J

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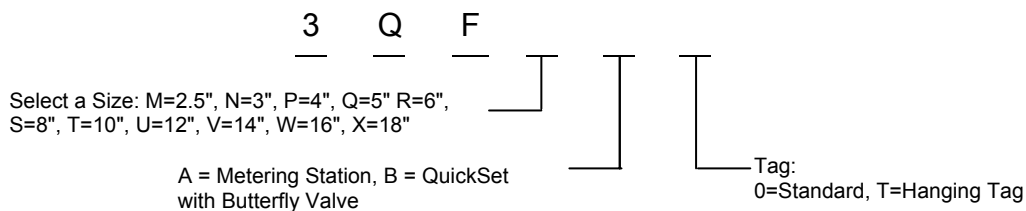
DIMENSIONS & WEIGHTS FOR METERING STATION (NOMINAL)

LINE SIZE	A	B	C	WEIGHT (LBS.)
2-1/2"	10.00	7.19	7.00	19.9
3"	10.50	7.50	7.50	24.4
4"	11.38	8.00	9.00	34.4
5"	13.13	8.53	10.00	43.7
6"	13.63	9.06	11.00	56.4
8"	17.00	10.06	13.50	96.8
10"	19.88	11.13	16.00	143.9
12"	22.13	12.13	19.00	215.4
14"	24.13	12.75	21.00	282.7
16"	27.00	13.75	23.50	347.6
18"	30.75	14.75	25.00	406.8

DIMENSIONS & WEIGHTS FOR QUICKSET (NOMINAL)

LINE SIZE	B	C	D	E	G	H	J	R HANDLE	WEIGHT (LBS.)	
									W/ HANDLE	W/GEAR WHEEL
2-1/2"	7.19	7.00	1.75	10.00	N/A	N/A	11.63	10.5	26.9	N/A
3"	7.50	7.50	1.75	10.50	N/A	N/A	12.13	10.5	31.9	N/A
4"	8.00	9.00	2.00	11.38	N/A	N/A	13.63	10.5	45.9	N/A
5"	8.53	10.00	2.13	13.13	N/A	N/A	14.63	10.5	57.7	N/A
6"	9.06	11.00	2.25	13.63	N/A	N/A	15.63	10.5	73.4	N/A
8"	10.06	13.50	2.38	17.00	9.5	12.0	18.88	N/A	N/A	130.8
10"	11.13	16.00	2.88	20.88	9.5	12.0	21.25	N/A	N/A	196.3
12"	12.13	19.00	3.00	23.50	9.5	12.0	24.63	N/A	N/A	288.6
14"	12.75	21.00	3.00	25.88	9.5	12.0	26.75	N/A	N/A	387.1
16"	13.75	23.50	4.00	29.25	15.0	16.0	30.00	N/A	N/A	494.5
18"	14.75	25.00	4.25	33.63	15.0	16.0	31.63	N/A	N/A	623.9

MODEL NUMBER SELECTION⁵



NOTES

⁵ Model no. and flow rate are indicated on label affixed to body.
Replaces form F-4088J

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