

SPECIFICATIONS:

PSI/Temperature Rating

Metering Station:

240 PSI/250° F

QuickSet:

175 PSI (14"-18": 150 PSI) /250° F

Low Loss Venturi:

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

Body Material:

Carbon Steel SA-53 Grade B

Butterfly Valve¹:

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

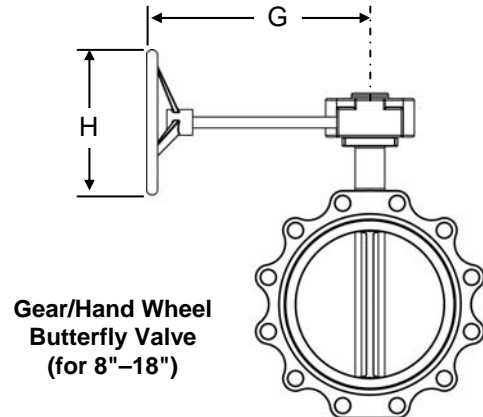
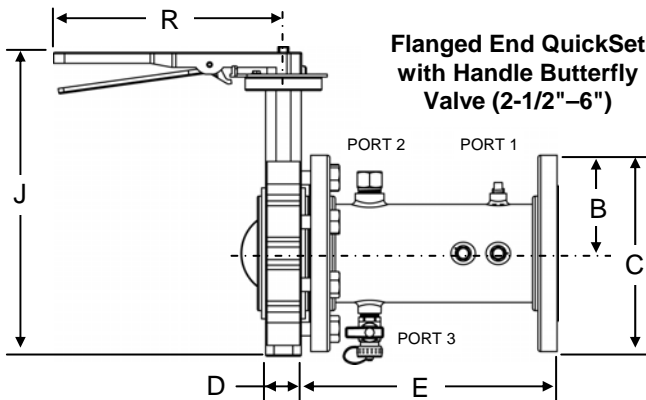
Port 3: 1/2" for Drain Valve

Valve comes fully assembled.

Assembly:

Installation:

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



FLOW RATES (+/-1%)²

LINE SIZE	MODEL NO.	Metering Station Cv ³	QuickSet Cv ³	GPM RANGE FOR 5"-100" ⁴ W.C. ΔP (SET W/100" GAUGE)	GPM RANGE FOR 5"-300" W.C. ΔP (SET W/300" GAUGE)
2-1/2"	3QFM_	169	134	19 - 87	19 - 151
3"	3QFN_	242	189	32 - 147	32 - 255
4"	3QFP_	506	387	58 - 260	58 - 451
5"	3QFQ_	680	566	80 - 372	80 - 645
6"	3QFR_	900	782	140 - 624	140 - 1075
8"	3QFS_	1800	1561	260 - 1180	260 - 2045
10"	3QFT_	3900	3149	375 - 1610	375 - 2790
12"	3QFU_	4930	4232	600 - 2790	600 - 4820
14"	3QFV_	6800	5906	775 - 3420	775 - 5940
16"	3QFW_	8900	7821	1250 - 5525	1250 - 9575
18"	3QFX_	13000	11153	1650 - 7405	1650 - 12830

NOTES

¹ Butterfly valve is standard on QuickSet only.

² 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.

³ Cv's are used to calculate permanent pressure drop. $PSID=(Flow/Cv)^2$. Consult chart F-4439 for flow measurement.

⁴ Not all gages/meters can accurately show a 5" signal. Readability is dependent on quality of the meter. Digital gages can read below 1".

Replaces form F-4088J

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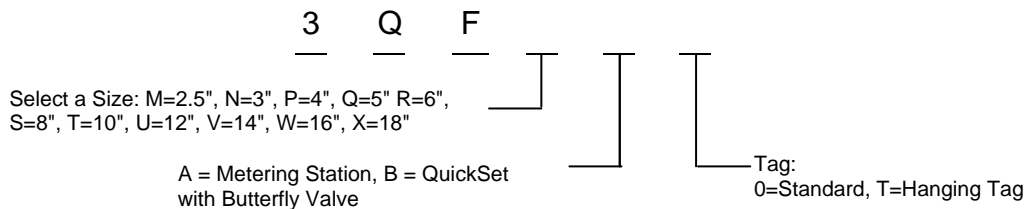
DIMENSIONS & WEIGHTS FOR METERING STATION (NOMINAL)

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