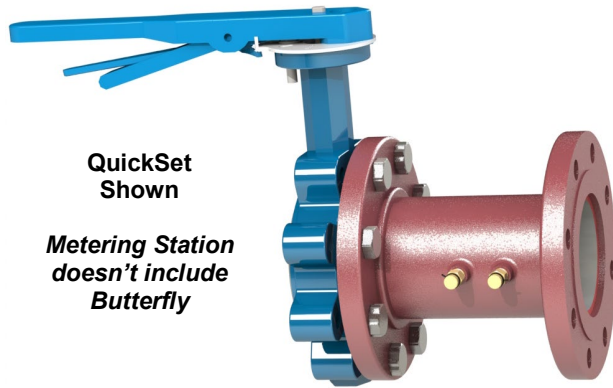




SPECIFICATIONS

PSI/Temperature Rating

Metering Station:

240 PSI/275° F

QuickSet:

200 PSI (14"-20": 150 PSI) /275° F

Low Loss Venturi:

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

Body Material:

Carbon Steel SA-53 Grade B.

Butterfly Valve¹:

See F-4303E for details

End Connections:

Flange ANSI B16.5 CL150/300

Body Tappings:

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

Optional Accessory Ports:

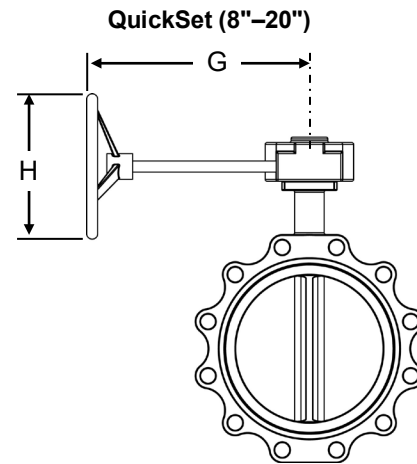
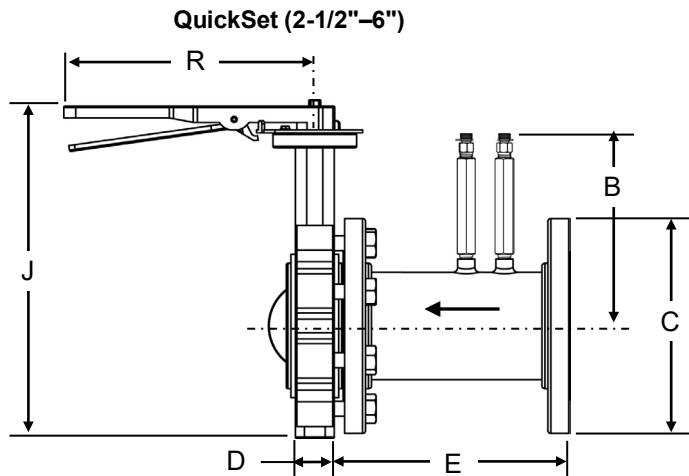
Port 1: 1/4" for Air Vent

Port 2: 3/4" for Thermowell

Port 3: 1/2" for Drain Valve

Installation:

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



DIMENSIONS & WEIGHTS FOR CLASS 150 QUICKSET (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

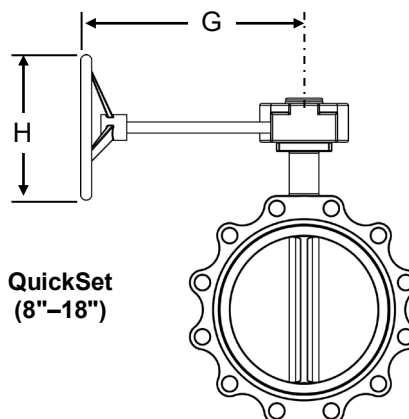
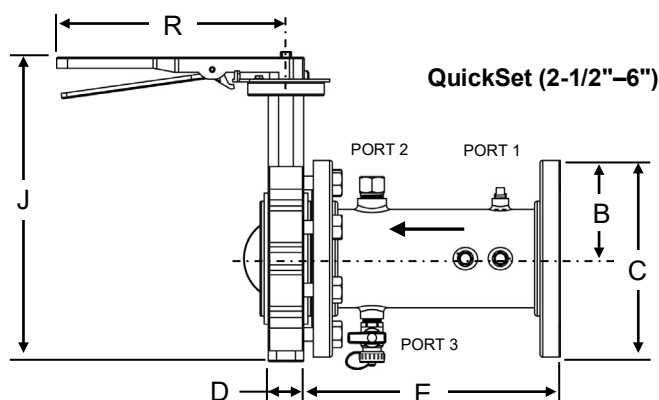
LINE SIZE	B	C	D	E	G	H	J	R	WEIGHT (LBS.)	
									W/ HANDLE	W/GEAR WHEEL
2-1/2"	7.3	7.0	1.8	6.3	N/A	N/A	11.6	10.5	32	N/A
3"	7.6	7.5	1.8	6.8	N/A	N/A	12.1	10.5	35	N/A
4"	8.0	9.0	2.0	8.4	N/A	N/A	13.6	10.5	52	N/A
5"	8.6	10.0	2.1	10.3	N/A	N/A	14.6	10.5	77	N/A
6"	9.1	11.0	2.3	11.8	N/A	N/A	15.6	10.5	91	N/A
8"	10.1	13.5	2.4	15.3	N/A	12.0	18.9	N/A	N/A	170
10"	11.2	16.0	2.6	18.3	9.5	12.0	21.3	N/A	N/A	258
12"	12.2	19.0	3.0	21.8	9.5	12.0	24.6	N/A	N/A	362
14"	12.8	21.0	3.0	24.3	9.5	12.0	26.8	N/A	N/A	464
16"	13.8	23.5	4.0	27.8	15.0	16.0	30.0	N/A	N/A	630
18"	14.8	25.0	4.5	32.0	15.0	16.0	31.6	N/A	N/A	743
20"	14.2	27.5	5.0	20.9	15.8	16.0	32.0	N/A	N/A	TBD

NOTES

¹ Butterfly valve is standard on QuickSet only.

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DIMENSIONS & WEIGHTS FOR CLASS 150 QUICKSET WITH ACC. PORTS (NOMINAL)

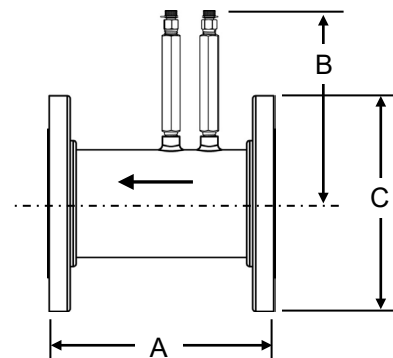
All dimensions are for planning purposes only and may change without notice.

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	34	N/A
3"	7.50	7.50	1.75	10.50	N/A	N/A	12.13	10.5	38	N/A
4"	8.00	9.00	2.00	11.38	N/A	N/A	13.63	10.5	56	N/A
5"	8.53	10.00	2.13	13.13	N/A	N/A	14.63	10.5	65	N/A
6"	9.06	11.00	2.25	13.63	N/A	N/A	15.63	10.5	95	N/A
8"	10.06	13.50	2.38	17.00	9.5	12.0	18.88	N/A	N/A	176
10"	11.13	16.00	2.88	20.88	9.5	12.0	21.25	N/A	N/A	252
12"	12.13	19.00	3.00	23.50	9.5	12.0	24.63	N/A	N/A	300
14"	12.75	21.00	3.00	25.88	9.5	12.0	26.75	N/A	N/A	395
16"	13.75	23.50	4.00	29.25	15.0	16.0	30.00	N/A	N/A	505
18"	14.75	25.00	4.25	33.63	15.0	16.0	31.63	N/A	N/A	645

DIMENSIONS & WEIGHTS FOR CLASS 150 METERING STATIONS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

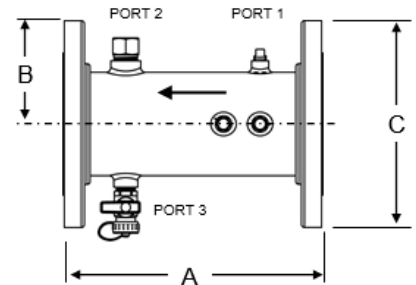
LINE SIZE	A	B	C	WEIGHT (LBS.)
2-1/2"	6.3	7.3	7.0	18
3"	6.8	7.6	7.5	22
4"	8.4	8.0	9.0	32
5"	10.3	8.6	10.0	45
6"	10.8	9.1	11.0	54
8"	12.8	10.1	13.5	90
10"	16.0	11.2	16.0	148
12"	16.8	12.2	19.0	204
14"	17.0	12.8	21.0	244
16"	18.0	13.8	23.5	301
18"	17.3	14.8	25.0	325
20"	20.9	14.2	27.5	TBD



DIMENSIONS & WEIGHTS FOR CLASS 150 METERING STATIONS WITH ACC. PORTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

LINE SIZE	A	B	C	WEIGHT (LBS.)
2-1/2"	10.00	7.19	7.00	21
3"	10.50	7.50	7.50	25
4"	11.38	8.00	9.00	36
5"	13.13	8.53	10.00	45
6"	13.63	9.06	11.00	59
8"	17.00	10.06	13.50	101
10"	19.88	11.13	16.00	145
12"	22.13	12.13	19.00	229
14"	24.13	12.75	21.00	285
16"	27.00	13.75	23.50	355
18"	30.75	14.75	25.00	415

**DIMENSIONS FOR CLASS 300 METERING STATIONS (NOMINAL)**

All dimensions are for planning purposes only and may change without notice.

LINE SIZE	A	C
2-1/2"	7.3	7.5
3"	7.8	8.3
4"	9.4	10.0
5"	11.3	11.0
6"	11.8	12.5
8"	13.8	15.0
18"	33.5 +/- 1.5"	28.0

FLOW RATES (+/-1%²)

LINE SIZE	Cv Metering Station ³	Cv QuickSet ³	Cv Metering Station with Accessory ³	Cv QuickSet with Accessory 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)	Turn Down Ratio
2-1/2"	171	135	169	134	19 – 87	19 – 151	7.9
3"	269	201	242	189	32 – 147	32 – 255	7.9
4"	580	417	506	387	58 – 260	58 – 451	7.8
5"	800	630	680	566	80 – 372	80 – 645	8.1
6"	1250	980	900	782	140 – 624	140 – 1075	7.7
8"	2100	1745	1800	1561	260 – 1180	260 – 2045	7.8
10"	4000	3201	3900	3149	375 – 1610	375 – 2790	7.4
12"	5700	4690	4930	4232	600 – 2790	600 – 4820	8.0
14"	7300	6225	6800	5906	775 – 3420	775 – 5940	7.7
16"	9600	8283	8900	7821	1250 – 5525	1250 – 9575	7.7
18"	14500	12057	13000	11153	1650 – 7405	1650 – 12830	7.8
20"	26400	19950	N/A	N/A	2246 – 10071	22460 – 17448	7.7

NOTES

² Accuracy is for venturi portion of valve only. Pressure readability is dependent on accuracy of gauge and system pressure stability.

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

⁴ Not all gages/meters can accurately show a 5" signal. Readability is dependent on quality of the meter. Digital gages may read below 1" but average the reading and may not reflect fluctuating pressures.

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MODEL NUMBER SELECTION – CLASS 150 METERING STATION & QUICKSET

3

Q

F

Select a Size (M=2.5", N=3", P=4", Q=5" R=6", S=8", T=10", U=12", V=14", W=16", X=18", Y=20")

Select Valve Style ("0" for Metering Station "Y" for QuickSet with Butterfly Valve, "A" for Metering Station with Accessory Port "B" for QuickSet with Accessory Port with Butterfly Valve)

T=Optional
3"x3"
Aluminum
Hanging
I.D. Tag

MODEL NUMBER SELECTION – CLASS 300 METERING STATION

9

6

8

0-

Select a Size (277=2.5", 278=3", 279=4", 280=5", 281=6", 282=8", 287=18")