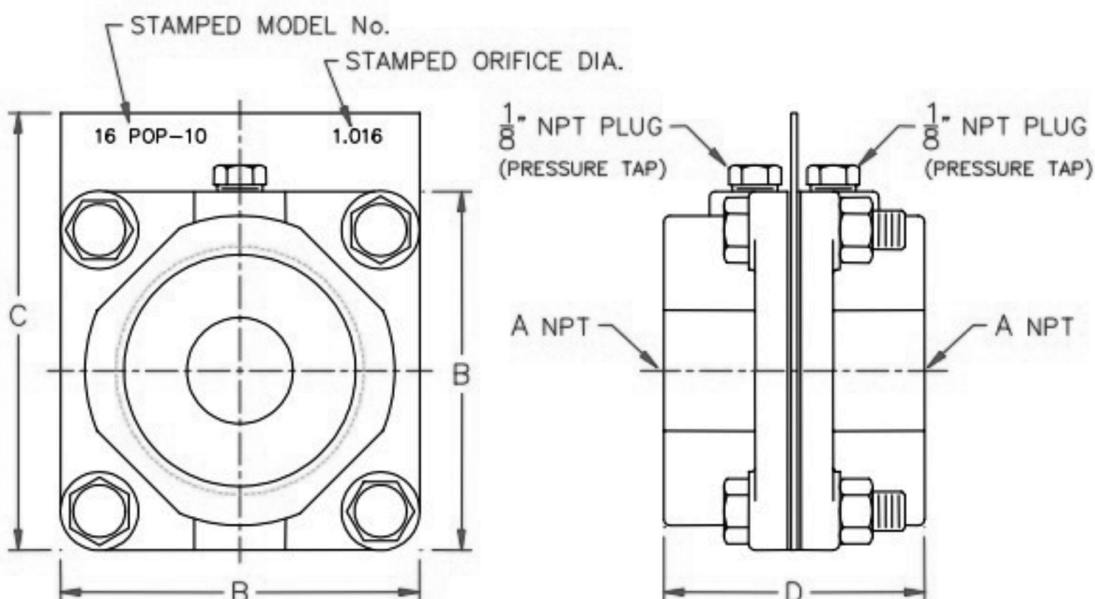


Dimensions



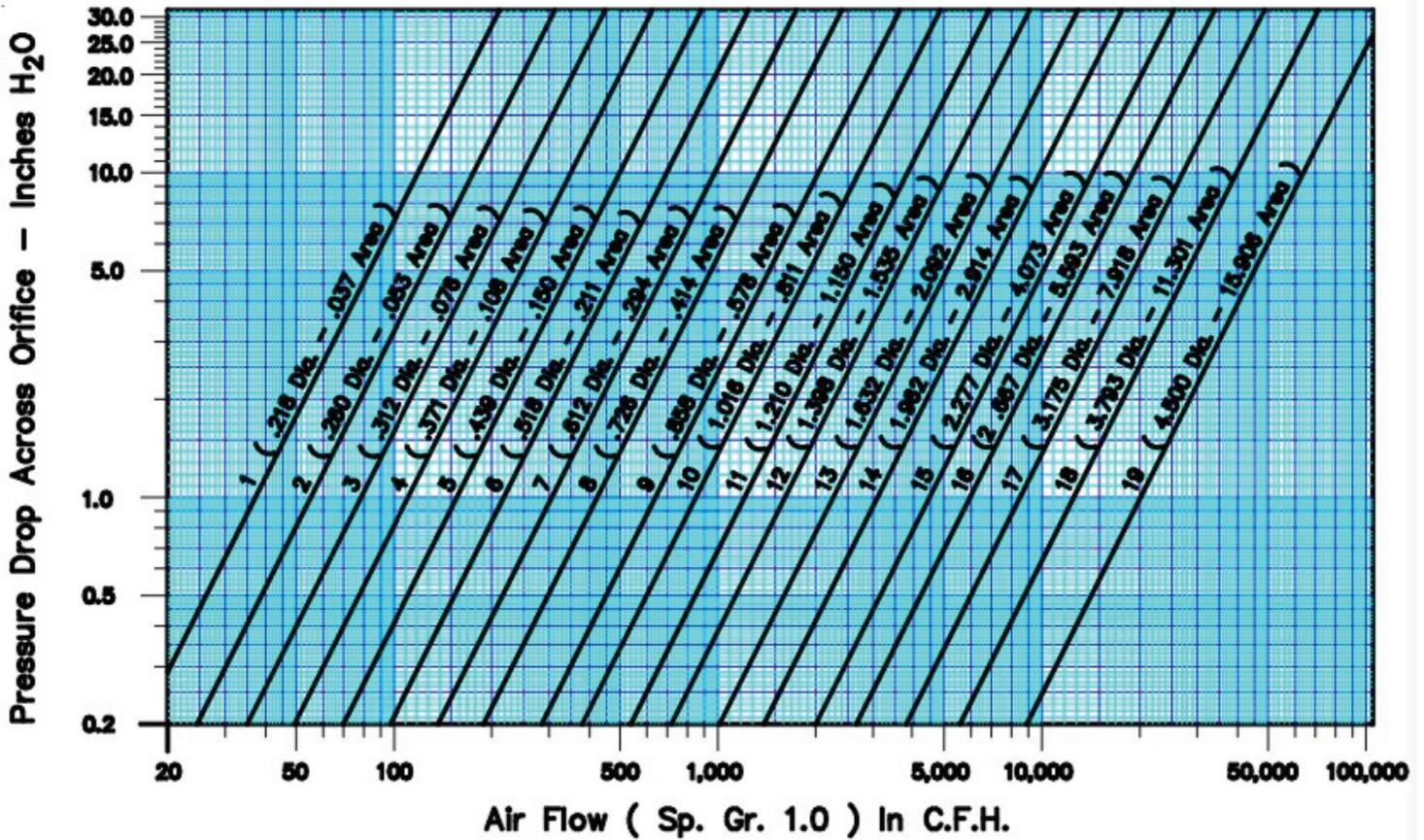
Model # Orifice Flow Meter		Model # Orifice Plate Only		A	B	C	D	Weigh	
Steel	Stainless	Steel	Stainless					lb	kg
6 POP-XX	6 POP-SS-XX	6 OP-XX	6 OP-SS-XX	3/4	2-5/16	3-3/16	1-5/8	1.4	0.6
8 POP-XX	8 POP-SS-XX	8 OP-XX	8 OP-SS-XX	1	2-5/16	3-3/16	1-5/8	1.2	0.5
10 POP-XX	10 POP-SS-XX	10 OP-XX	10 OP-SS-XX	1-1/4	3	3-3/4	2-1/2	2.7	1.2
12 POP-XX	12 POP-SS-XX	12 OP-XX	12 OP-SS-XX	1-1/2	3	3-3/4	2-1/2	2.5	1.1
16 POP-XX	16 POP-SS-XX	16 OP-XX	16 OP-SS-XX	2	3-7/16	4-3/16	2-1/2	3.2	1.4
20 POP-XX	20 POP-SS-XX	20 OP-XX	20 OP-SS-XX	2-1/2	4-3/8	5-1/8	3-1/8	7.6	3.5
24 POP-XX	24 POP-SS-XX	24 OP-XX	24 OP-SS-XX	3	4-3/8	5-1/8	3-1/8	5.4	2.4
32 POP-XX	32 POP-SS-XX	32 OP-XX	32 OP-SS-XX	4	6	6-3/4	3-3/8	11.6	5.3
48 POP-XX	48 POP-SS-XX	48 OP-XX	48 OP-SS-XX	6	8	8-3/4	3-3/4	22.3	10.1

Note: All dimensions are in inches.

Orifice Plate Table

Model # Orifice Plate		Pipe Size	Orifice plates listed are the minimum to maximum diameters recommended per pipe size.																		
Steel	Stainless		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
6 OP-XX	6 OP-SS-XX	3/4	01	02	03	04	05														
8 OP-XX	8 OP-SS-XX	1	01	02	03	04	05	06													
10 OP-XX	10 OP-SS-XX	1-1/4			03	04	05	06	07	08											
12 OP-XX	12 OP-SS-XX	1-1/2				04	05	06	07	08	09										
16 OP-XX	16 OP-SS-XX	2					06	07	08	09	10										
20 OP-XX	20 OP-SS-XX	2-1/2						08	09	10	11	12									
24 OP-XX	24 OP-SS-XX	3								10	11	12	13								
32 OP-XX	32 OP-SS-XX	4										12	13	14	15						
48 OP-XX	48 OP-SS-XX	6														14	15	16	17	18	19

Orifice Flow Meters



Specific Gravity Factors

Specific Gravity	0.07	0.2	0.4	0.5	0.6
Multiplying Factor	3.8	2.2	1.6	1.4	1.3
Specific Gravity	0.7	0.8	1.0	1.5	2.0
Multiplying Factor	1.2	1.1	1.0	0.82	0.71

Pressure Factors

Inlet Pressure - psig	1.0	2.0	3.0	4.0
Multiplying Factor	1.03	1.07	1.10	1.13
Inlet Pressure - psig	5.0	6.0	7.0	8.0
Multiplying Factor	1.16	1.19	1.21	1.24

Temperature Factors

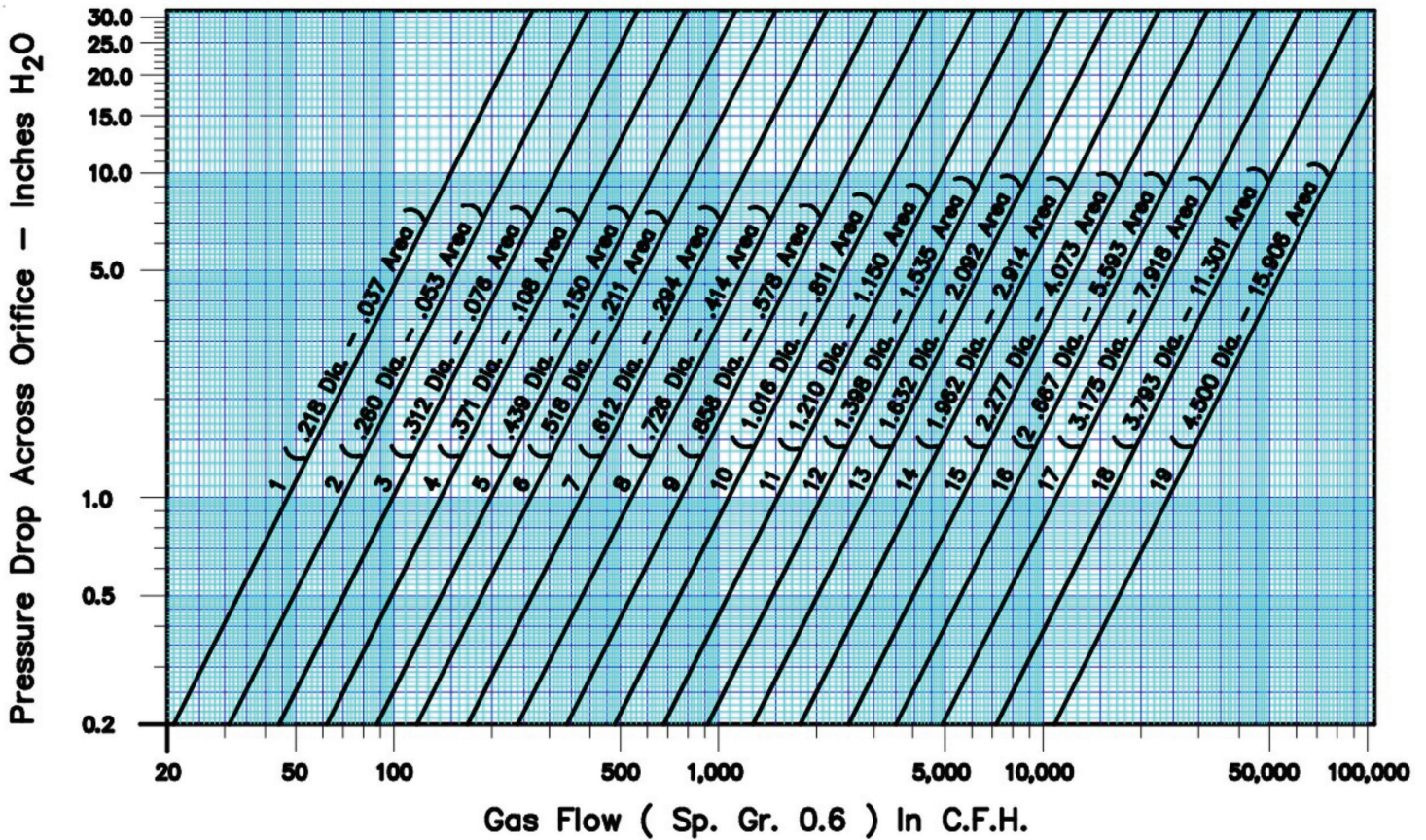
Inlet Gas Temperature (°F)	60°	100°	150°	200°
Multiplying Factor	1.0	0.963	0.924	0.887
Inlet Gas Temperature (°F)	250°	300°	400°	500°
Multiplying Factor	0.856	0.826	0.778	0.736

Note: Flow vs. Pressure Drop Curves are based on air flows (sp.gr = 1.0) at zero-line pressure and 60° F temperature.



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Orifice Flow Meters



Pressure Factors

Inlet Pressure - psig	0.0	1.0	2.0	2.0	4.0
Multiplying Factor	1.0	1.03	1.07	2.0	1.13
Inlet Pressure - psig	5.0	6.0	7.0	8.0	9.0
Multiplying Factor	1.16	1.19	1.21	1.24	1.27
Inlet Pressure - psig	10.0	25.0	50.0	75.0	100.0
Multiplying Factor	1.30	1.64	2.10	2.47	2.79

Temperature Factors

Inlet Gas Temperature (°F)	60°	100°	150°	200°	250°
Multiplying Factor	1.0	0.963	0.924	0.887	0.856
Inlet Gas Temperature (°F)	300°	400°	500°	600°	700°
Multiplying Factor	0.826	0.778	0.736	0.700	0.670

Note: Flow vs. Pressure Drop Curves are based on gas flows (sp.gr = 1.0) at zero-line pressure and 60° F temperature.



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