

See-Flo[®] Meter Rangeability

VA1.RTABLE

Sizing Tables

Liquid Applications

pipe size	Lowest Range <i>specify 10:1 range at or between</i>		Highest Range	
	gpm water @ 60°F	pressure drop (psi/gpm rate)	gpm water @ 60°F	pressure drop (psi/gpm rate)
½"-15 mm	0.3-3	.4/4	1.5-15	3/15
¾"-20 mm	0.5-5	1/5	3-30	5/30
1"-25 mm	0.8-8	1.5/8	5-50	6/50
1¼"	2-20	2/20	15-150	8/150
1½"	3-30	2/30	20-200	8/200
2"	4-40	2/40	25-250	8/250
2½"	4-40	2/40	35-350	8/350
3"	5-50	2/50	50-500	8/500
4"	10-100	2/100	100-1000	8/1000
5"	15-150	2/150	150-1500	8/1500
6"	25-250	2/250	200-2000	8/2000

Gas Applications

pipe size	Lowest range <i>specify 10:1 range at or between</i>		Highest range	
	scfm air @ 60°F/0 psig	pressure drop (inches H ₂ O/scfm rate)	scfm air @ 60°F/0 psig	pressure drop (inches H ₂ O/scfm rate)
½"-15 mm	0.5-5	2/10	2-20	3/20
¾"-20 mm	0.6-6	2/10	3-30	4/30
1"-25 mm	0.8-8	2/10	5-50	6/50
1¼"	1-10	2/10	15-150	8/150
1½"	1.5-15	2/15	20-200	8/200
2"	2-20	2/20	25-250	8/250
2½"	3-30	2/30	35-350	8/350
3"	4-40	2/40	50-500	8/500
4"	5-50	2/50	100-1000	8/1000
5"	6-60	2/60	150-1500	8/1500
6"	8-80	2/80	200-2000	8/2000

Notes:

- Units of measure other than gpm and scfm can be specified.
- When specifying a calibration range consider that the nominal flow value should be approximately at mid-scale.
- Pressure drop data are typical for maximum flow reading of the range indicated. A flow that causes a midrange reading will have a pressure drop that is a square root function of the pressure drop at full range. Example: An instrument for a 6" piping system that has a range of 200 to 2,000 gpm will have a pressure drop of 8 psi at 2,000 gpm flow and a pressure drop of $\sqrt{8}$ or 2.828 psi at 1,000 gpm on the same scale.
- Typical pressure drop declines in value in a linear relationship between the maximum of the highest range and maximum of the lowest range. Example: An instrument for a 4" piping system that requires a calibrated range of 40 to 500 gpm will have a typical pressure drop at 500 gpm of 5 psi.
- Sizes designated mm (millimeters) are available with metric thread in accordance with DIN 2999/BS21/ISO R7.

Armor-Flo™ Meter Rangeability

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pipe size	Lowest range <i>specify 10:1 range at or between</i>		Highest range	
	gpm water @ 60°F	pressure drop (psi/gpm rate)	gpm water @ 60°F	pressure drop (psi/gpm rate)
½"-15 mm	0.4-4	.4/4	1.5-15	3/15
¾"-20 mm	0.5-5	1/5	3-30	5/30
1"-25 mm	0.8-8	1.5/8	5-50	6/50
1¼"	2-20	2/20	15-150	8/150
1½"	3-30	2/30	20-200	8/200
2"	4-40	2/40	25-250	8/250
2½"	4-40	2/40	35-350	8/350
3"	5-50	2/50	50-500	8/500
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	scfm air @ 60°F/0 psig	pressure drop (inches H ₂ O/scfm rate)	scfm air @ 60°F/0 psig	pressure drop (inches H ₂ O/scfm rate)
½"-15 mm	1-10	2/10	2-20	3/20
¾"-20 mm	1-10	2/10	3-30	4/30
1"-25 mm	1-10	2/10	5-50	6/50
1¼"	1-10	2/10	15-150	8/150
1½"	1.5-15	2/15	20-200	8/200
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