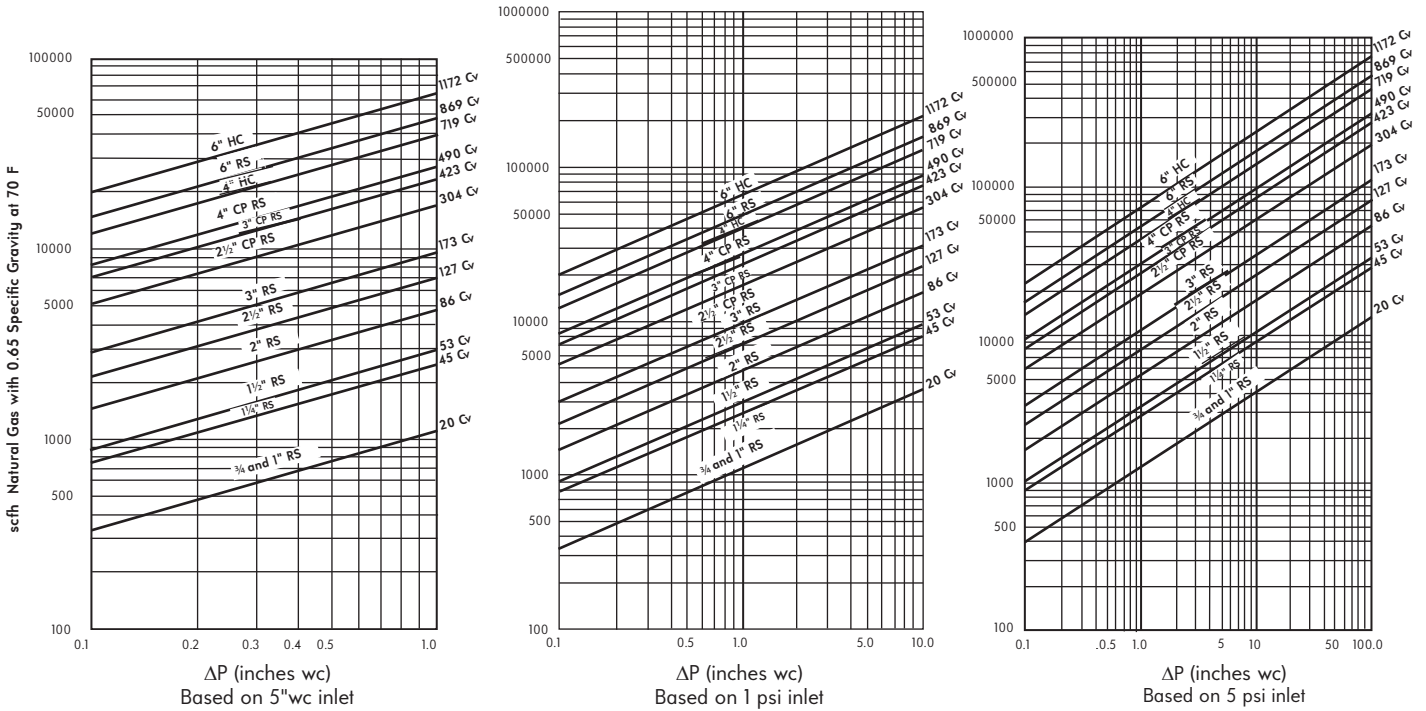


# Capacities | Automatic Shutoff Valves

## CAPACITIES and VALVE SELECTION CHARTS



To calculate gas flow at other pressures:  $Q = 1360 C_v \left[ \frac{(P_1^2 - P_2^2)}{2 GT} \right]^{1/2}$

- Q = scfh
- G = specific gravity
- P<sub>1</sub> = inlet psia
- P<sub>2</sub> = outlet psia
- T = temp. (460 + F)

APPROXIMATE OIL CAPACITY	Valve	gph
Based on #2 Fuel Oil (60 F, 30°API) at ΔP = 1 psig	1518/19-0	1200
	1518/19-1	1300
	1518/19-2	2900

Valve Size	Cv	scfh Nat'l Gas at 1 osig ΔP w/2 psig inlet	UL/FM/CGA SANCTIONED		Max. psi at Inlet†	Motor Timing on 60 Hz (sec.)
			Manual Reset	Motorized		
-0 (3/4")	20	1 460	1518-0	1519-0	125	6
-1 (1")	20	1 540	1518-1 1518-1-S	1519-1 1519-1-S	125	6
-2 (1 1/4")	45	3 390	1518-2	1519-2	100	6
-3 (1 1/2")	53	4 080	1518-3 1518-3-S	1519-3 1519-3-S	70	6
-4 (2")	86	6 600	1518-4 1518-4-S	1519-4 1519-4-S	70	6
-5 (2 1/2")	127	9 800	1518-5(F)	1519-5(F)	40	6
	304	23 400	1518-5-E(F) 1518-5-EFS	1519-5-E(F) 1519-5-EFS	50	6
-6 (3")	173	13 300	1518-6	1519-6	30	6
	423	33 300	1518-6-E(F) 1518-6-EFS	1519-6-E(F) 1519-6-EFS	40	6
-7 (4")	490	38 600	1518-7-EF 1518-7-EFS	1519-7-EF 1519-7-EFS	40	6
	719	56 600	—	1519-7-XF 1519-7-XFS	60	12
-8 (6")	869	68 400	1518-8-F 1518-8-FS	—	20	12
	1172	92 300	—	1519-8-XF 1519-8-XFS	50	12

† Maximum operating pressure differential must not exceed the maximum inlet pressure.

- (F) = Optional Flanged
- F = Standard Flanged
- Blank = Standard Capacity (RS)
- S = Steel Body
- U = Non-sanctioned
- E = Extra Capacity (CPRS)
- X = Rack and Pinion Operator (HC)