

Technical Data Sheet: HORN Manual Adjustable Chokes

All HEC Choke and Kill Equipment is manufactured and tested according to HEC Quality Management Standards

Performance Requirement Level: PR2

Through Bore: 3-1/8", 3-1/16", 4-1/16"

Nominal Orifice Diameter: 3"

Maximum Orifice Diameter: 2"

Rated Working Pressure: 5,000 to 10,000 psi

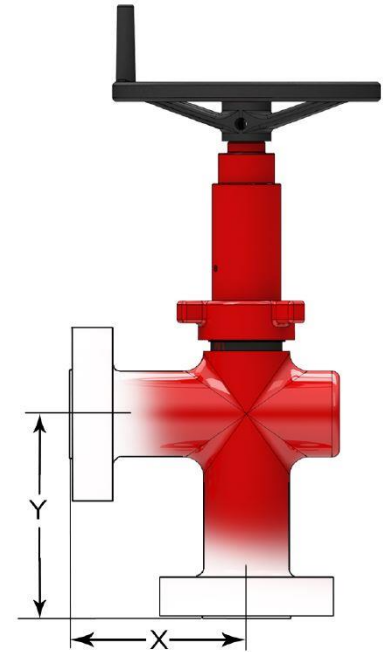
Temperature Ranges:

Metallic: -20 to 250°F

Elastomers: 20 to 200°F

Assembly Dimensions:

Size	Weight (lbs.)	DIMENSIONS	
		X	Y
3-1/8" 5M	242	8-7/8"	11-3/8"
3-1/16" 10M	265	10-3/8"	11-3/4"
4-1/16" 5M	284	10-1/8"	12-5/8"
4-1/16" 10M	298	9-15/16"	11-1/2"



Operating Torque:

Pressure (psi.)	Torque (ft.-lbs.)
10000	231
9000	206
8000	151
7000	137
6000	118
5000	92
4000	76
3000	55
2000	42
1000	27
0	0

Elastomers:

Acrylonitrile Butadiene Rubber (NBR)

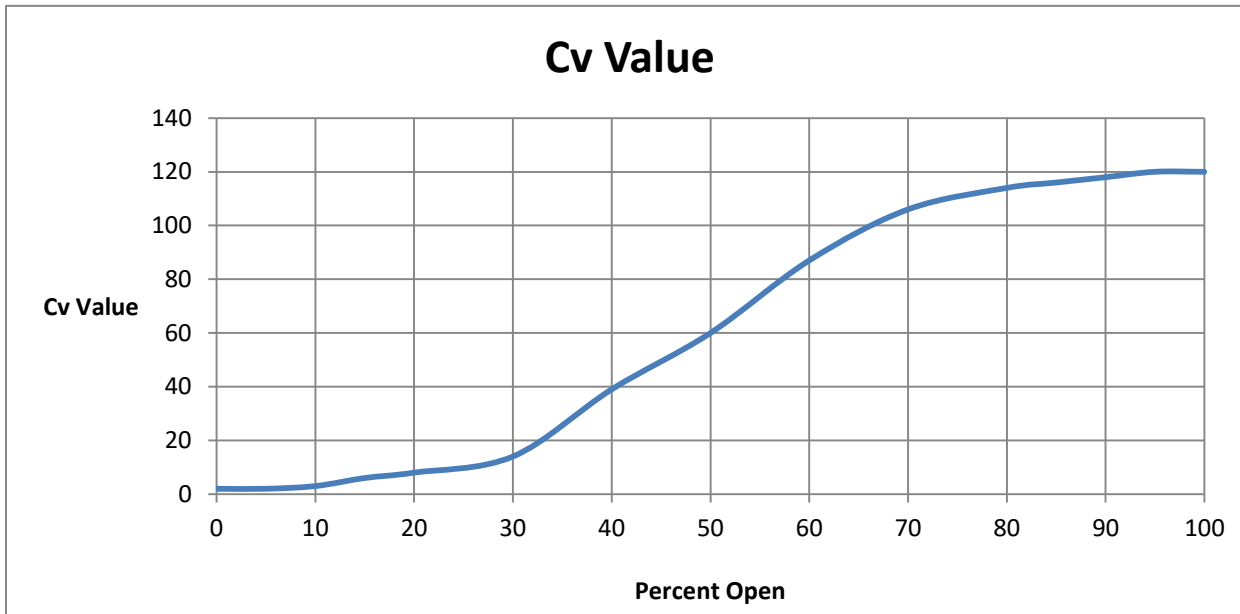
Nominal Operating Range: 20 to 200°F



Operational Characteristics Summary

- Pressure Test: 160 cycles at ambient temperature
- High Temp. Pressure Test: 20 cycles
- Low Temp. Pressure Test: 20 cycles
- 60 min. High Temp. at full rated working pressure
- 60 mins. Low Temp. at full rated working pressure

Flow Coefficient:



Percent Open	Cv Value
100	120
95	120
90	118
85	116
80	114
70	106
60	87
50	60
40	39
30	14
20	8
15	6
10	3
5	2
0	2