

These tables provide flow/pressure ranges for Phoenix Controls valves in the following units: cubic feet per minute (cfm), meters cubed per hour (m<sup>3</sup>/hr), and liters per second (lps).

**OSHPD Certified**

These devices are certified for OSHPD Seismic Certification Preapproval per 2013 CBC, 2012 IBC, ASCE 7-10, and IEC-ES-AC-156. OSHPD Special Certification number OSP-0290-10.

**NVLAP Accreditation**

All venturi valves are characterized on NVLAP Accredited Airstations, Lab Code 200992-0. NVLAP is administered by the National Institute of Standards and Technology (NIST).

**ISO**

Phoenix Controls Designs, Develops, Manufactures, and sells products, systems, and service to control the environment and airflow of critical spaces. Phoenix Controls is registered to ISO 9001:2008.

**Warranty**

Phoenix Controls Warrants all venturi valves against defects in material and workmanship for a period of 5 years. In addition, all other equipment manufactured by Phoenix Controls, such as sash sensors, fume hood monitors, and equipment supplied but not manufactured by Phoenix Controls is covered by a 3 year warranty.

## Standard Valve Operating Range

Designation	Valve Size	Singles	Doubles	Triples (analog only)	Quads (analog only)	Pressure Drop Across Valve
Medium Pressure	08"	35-700 cfm* 60-1185 m <sup>3</sup> /hr 20-330 lps	—	—	—	0.6-3.0" WC 150-750 Pa
	10"	50-1000 cfm 85-1695 m <sup>3</sup> /hr 25-470 lps	100-2000 cfm 170-3390 m <sup>3</sup> /hr 50-940 lps	—	—	
	12"	90-1500 cfm 155-2545 m <sup>3</sup> /hr 45-705 lps	180-3000 cfm 310-5090 m <sup>3</sup> /hr 90-1410 lps	270-4500 cfm 465-7635 m <sup>3</sup> /hr 135-2115 lps	360-6000 cfm 620-10180 m <sup>3</sup> /hr 180-2820 lps	
	14"	200-2500 cfm 340-4245 m <sup>3</sup> /hr 95-1175 lps	400-5000 cfm 680-8490 m <sup>3</sup> /hr 190-2350 lps	—	—	
Low Pressure	08"	35-500 cfm 60-845 m <sup>3</sup> /hr 20-235 lps	—	—	—	0.3-3.0" WC 75-750 Pa
	10"	50-550 cfm 85-930 m <sup>3</sup> /hr 25-255 lps	100-1100 cfm 170-1860 m <sup>3</sup> /hr 50-510 lps	—	—	
	12"	90-1050 cfm 155-1780 m <sup>3</sup> /hr 45-495 lps	180-2100 cfm 310-3560 m <sup>3</sup> /hr 90-990 lps	270-3150 cfm 465-5340 m <sup>3</sup> /hr 135-1485 lps	360-4200 cfm 620-7120 m <sup>3</sup> /hr 180-1980 lps	
	14"	200-1400 cfm 340-2375 m <sup>3</sup> /hr 95-660 lps	400-2800 cfm 680-4750 m <sup>3</sup> /hr 190-1320 lps	—	—	

\* Medium pressure cage rack valve Flow/Pressure Range = 30-210 cfm, 55-355 m<sup>3</sup>/hr, 15-95 lps.

## Shut-off Valve Operating Range — standard and low leakage (valve designs S and L)

Designation	Valve Size	Singles	Doubles	Triples	Quads	Pressure Drop Across Valve
Medium Pressure	08"	35-600 cfm 60-1015 m <sup>3</sup> /hr 20-280 lps	—	—	—	0.6-3.0" WC 150-750 Pa
	10"	50-850 cfm 84-1440 m <sup>3</sup> /hr 25-400 lps	100-1700 cfm 170-2280 m <sup>3</sup> /hr 50-800 lps	—	—	
	12"	90-1300 cfm 155-2205 m <sup>3</sup> /hr 45-610 lps	180-2600 cfm 310-4410 m <sup>3</sup> /hr 90-1220 lps	—	—	
	14" (Only available as Standard Shut-off Design S)	200-1600 cfm 340-2715 m <sup>3</sup> /hr 95-755 lps	400-3200 cfm 680-5430 m <sup>3</sup> /hr 190-1510 lps	—	—	
Low Pressure* (Standard Shut-off Only)	08"	35-400 cfm 60-675 m <sup>3</sup> /hr 20-185 lps	—	—	—	0.3-3.0 WC 75-750 Pa
	10"	50-450 cfm 85-760 m <sup>3</sup> /hr 25-210 lps	100-900 cfm 170-1520 m <sup>3</sup> /hr 50-420 lps	—	—	
	12"	90-900 cfm 155-1525 m <sup>3</sup> /hr 45-420 lps	180-1800 cfm 310-3050 m <sup>3</sup> /hr 90-840 lps	—	—	
	14"	200-1000 cfm 340-1695 m <sup>3</sup> /hr 95-470 lps	400-2000 cfm 680-3390 m <sup>3</sup> /hr 190-940 lps	—	—	

\* ONLY available as Standard Shut-off. Low pressure/low leakage shut-off valves are NOT currently available in any size.