

RELIEF VALVES... 800QR (QUICK RELEASE, LOWEST CAPACITY)

800QR

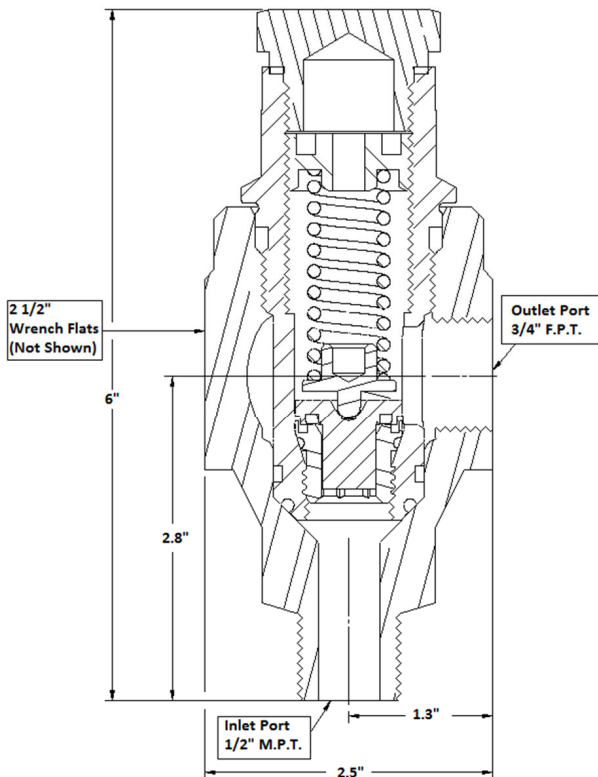


This new generation valve allows the piping to remain in place, while only the insert is replaced. This makes replacement of the valves faster and less costly than the standard valve. The ASME certified slope of 0.42 yields, for example, a capacity of 9.29 lbs. per minute of air @ 250# set pressure. Stainless steel housing for durability and performance.



Part #	NB Cert. #	Body Material	Size
800QR	51163	304 Stainless Steel	½" MNPT inlet x ¾" FNPT outlet

#800QR safety relief valve can be mounted on the following manifolds:			
#843	½" x ½" x ½" FNPT	(hand wheel)	#843F ½" x ½" x ½" FNPT (seal cap)
#846M	½" x ½" x ½" FNPT	(seal cap)	#848M ¾" x ½" x ½" FNPT (seal cap)



- All upper and lower seats are constructed from 304 stainless steel to prevent corrosion and embedded with a Teflon ring.
- All springs are stainless steel.
- All relief valves come with an installation tag and cable tie.
- Each valve's identification tag has the required information of catalog number, month and year of manufacture with lot number, set pressure, inlet pipe size, and capacity for AIR in units of SCFM.
- Each valve undergoes 3 separate test sequences to verify quality and set pressure, and then is sealed for security.
- The 800QR relief valve is available in set pressures from 75 to 400 psi. All relief valve common set pressures are in stock. Special settings can be made up at no extra charge and usually take 1 to 2 days.
- All Shank Relief Valves are manufactured in accordance with ASME Quality Control Procedures and stamped with "UV" and "NB" symbols.
- They are certified by the National Board of Boiler & Pressure Vessel Inspectors. They are also certified in Canada.

800QR Relief Valve Capacity Chart on Reverse Side

RELIEF VALVES... 800QR CAPACITY CHART

800QR 1/2" x 3/4" Relief Valve Capacity Chart											
Set or Release Pressure (PSIG)	Air SCFM 60 F 1 Atm	Air lb/min 60 F 1 Atm	Air lb/hr 60 F 1 Atm	NH3 lb/hr 60 F 1 Atm	NH3 lb/min 60 F 1 Atm	R-12 lb/hr 60 F 1 Atm	R-12 lb/min 60 F 1 Atm	R-22 lb/hr 60 F 1 Atm	R-22 lb/min 60 F 1 Atm	R-502 lb/hr 60 F 1 Atm	R-502 lb/min 60 F 1 Atm
75	40.82	3.12	187.04	143.41	2.39	382.10	6.37	323.17	5.39	367.16	6.12
100	52.37	4.00	239.96	183.98	3.07	490.21	8.17	414.60	6.91	471.04	7.85
125	63.92	4.88	292.88	224.55	3.74	598.31	9.97	506.03	8.43	574.92	9.58
150	75.47	5.76	345.80	265.13	4.42	706.42	11.77	597.46	9.96	678.80	11.31
175	87.02	6.65	398.72	305.70	5.10	814.52	13.58	688.89	11.48	782.67	13.04
200	98.57	7.53	451.64	346.27	5.77	922.63	15.38	780.32	13.01	886.55	14.78
225	110.12	8.41	504.55	386.85	6.45	1030.73	17.18	871.75	14.53	990.43	16.51
250	121.67	9.29	557.47	427.42	7.12	1138.84	18.98	963.18	16.05	1094.31	18.24
275	133.22	10.17	610.39	467.99	7.80	1246.94	20.78	1054.61	17.58	1198.19	19.97
300	144.77	11.06	663.31	508.57	8.48	1355.05	22.58	1146.04	19.10	1302.06	21.70
325	156.32	11.94	716.23	549.14	9.15	1463.15	24.39	1237.47	20.62	1405.94	23.43
350	167.87	12.82	769.15	589.71	9.83	1571.26	26.19	1328.90	22.15	1509.82	25.16
375	179.42	13.70	822.06	630.29	10.50	1679.36	27.99	1420.33	23.67	1613.70	26.89
400	190.97	14.58	874.98	670.86	11.18	1787.47	29.79	1511.76	25.20	1717.58	28.63

Slope on Air: 0.42