SUBMITTAL DATA

HIGH PRESSURE REGULATING VALVES

S SERIES ½" & ¾"

Thrush Regulating Valves are built for installation in systems where liquid or air pressure must be reduced and a lower pressure maintained within satisfactory limits. They are especially designed for regulating reduced pressures on domestic water supply systems where city water pressure is too high. They may be installed in either hot or cold water lines.

By nature of design, Pressure Regulating Valves maintain the pressure setting only at no flow. Example: 150 PSI incoming, 50 PSI outgoing. As the system flow increases, there is a fall off of outgoing pressure slightly.

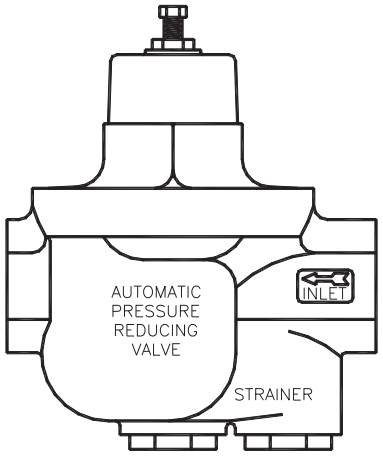
Under normal conditions, it requires approximately 10 PSI change in inlet pressure to affect the outgoing pressure 1 PSI. Example: A valve set for 150 PSI inlet, 50 PSI outlet, with inlet pressure of 200 PSI, the outlet pressure would be 55 PSI.

Sizing Example:

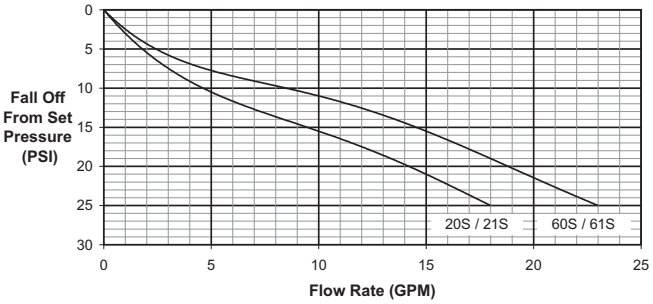
Incoming pressure	150 PSIG
Reduced No Flow Pressure	50 PSIG
Required Flow	5 GPM
Allowable fall off	10 to 12 PSIG

From flow chart, at 5 GPM read vertical until you intersect a curve then read across to find the Fall Off of the valve size of the curve. In this example a 1/2" size will meet the requirements.

The zero ("0") of the "Reduced Pressure Fall Off" scale represents the pressure setting of the valve. This can be any setting within the adjustment range of the valve. This can be any setting within the pressure fall off or change to provide the flow shown on the curve for the various valves.



S-Series PRV Pressure Fall Off



MODEL*	PART NUMBER	MODEL*	PART NUMBER	SIZE CONN.	MATERIAL BODY	WT. (LBS)	HEIGHT	WIDTH
20 S	417-17	21 S	417-23	1/2"	BRONZE	3	5.50"	4.50"
60 S	417-20	61 S	417-26	3/4"	BRONZE	4	6.00"	5.00"

*ALL S SERIES VALVES ARE FITTED WITH STAINLESS STEEL SEATS

Job Name _____

Location _____

_____

Engineer _____

Architect _____

Sales Rep. _____

Contractor _____

Model Number _____

Notes _____

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