

SUBMITTAL

Manufacturer: Itron
(formerly Actaris / Schlumberger)
Model: B35

As Specified	
Capacity Required	
Inlet /Outlet Pres.	
Overpres. Limits	

As Submitted	
Capacity	
Droop	
Build-up	

Options Designations:

N: denotes No Internal Relief

R: denotes Internal Relief valve for over-pressure protection

HP: denotes High Pressure Construction

Specifications:

	Spring Color	Adj. Range
<input type="checkbox"/>	Green	5 - 8 PSIG
<input type="checkbox"/>	Orange	8 - 15 PSIG
<input type="checkbox"/>	Green/White	15 - 25 PSIG
<input type="checkbox"/>	Blue/White	25 - 45 PSIG
<input type="checkbox"/>	Silver	40 - 75 PSIG
<input type="checkbox"/>	Yellow	70 - 100 PSIG

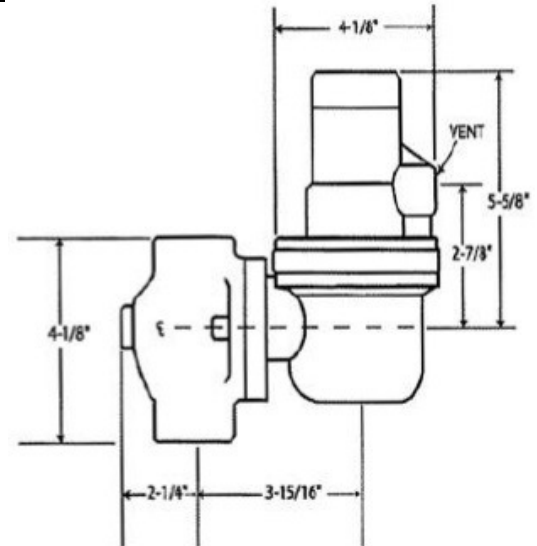
	Orifice	MAOP PSIG delivery
<input type="checkbox"/>	3/32"	500
<input type="checkbox"/>	1/8"	500
<input type="checkbox"/>	3/16"	500
<input type="checkbox"/>	1/4"	500
<input type="checkbox"/>	3/8"	300
<input type="checkbox"/>	1/2"	200

Connections (NPT)	
Inlet	Outlet
3/4"	3/4"
1"	1"

Assembly:

Valve Body	High Tensile Strength Cast Iron
Orifice:	Brass (Stainless steel optional.)
Valve Seat:	Polyurethane or nylan
Valve Stem:	Plated Steel
Lever:	Zinc & dichromate plated steel
Upper Diaphr Plate	Zinc & dichromate plated steel
Lower Diaphr. Plate	Die cast aluminum
Diaphragm	Buna N & nylon reinforcing mtl.
Diaphragm case	Ductile iron
Vent Screen	Stainless Steel

Dimensions:



General Note on installation: The regulator comes with 1/4" vent with a stainless steel vent screen. On outside installations, the regulator should be oriented with the vent pointing down to keep water or ice from entering the vent. If the regulator is installed with the vent pointing up or to the side, the vent screen should be removed and a 1/4" elbow (or elbows) should be installed to position the vent correctly. If installed inside, the vent must be piped to a safe outside location in accordance with NFPA 54 recommendations and/or local codes.

Typical Capacity.

Note: Capacity will change as a function of the orifice size, inlet pressure & outlet pressure setting. The capacity tables below are for a typical configuration. Smaller orifices may have less capacity, but will handle higher inlet pressures (see MAOP above). Outlet pipe size and length may also reduce flow. Consult complete brochure for capacities and relief curves of other configurations.

	Capacity as a Function of Orifice & Inlet Pressure in SCFH				
	15 PSIG	20 PSIG	30 PSIG	50 PSIG	75 PSIG
1/4"	1350	1900	2700	3900	5300
3/8"	3400	3400	4900	7200	9800
1/2"	3400	4800	6900	10000	14000



Capacities expressed for 0.6 s.g. nat. gas

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