SUBMITTAL

Manufacturer: Itron
(formerly Actaris / Schlumberger)
Model: B36

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
	M: denotes Monitor

Specifications:

	Spring Color	Adj. Range
	Brown	.75 – 2.5 PSIG
	Green	1.5 - 10 PSIG
	Black	5 - 14 PSIG
	Blue	9 – 30 PSIG
	Silver	25 - 60 PSIG

	Orifice	MAOP PSIG delivery
	1/8”	175
	3/16”	175
	1/4”	150

	Connections (NPT)	
	Inlet	**Outlet**
	3/4”	3/4” (90°)
	3/4"	1” (90°)
	3/4"	1-1/4”
	1”	1” (90°)
	1”	1-1/4”
	1-1/4”	1-1/4”

Assembly:

Valve Body	Cast Iron
Orifice:	Brass
Valve Seat:	Buna-N
Valve Stem:	Aluminum
Lever:	Zinc plated steel
Upper Diaphr Plate	Zinc plated steel
Lower Diaph. Plate	Zinc plated steel
Diaphragm	Nylon reinforcing nitrile
Diaphragm case	Die-cast aluminum
Vent Screen	Stainless Steel

Dimensions:
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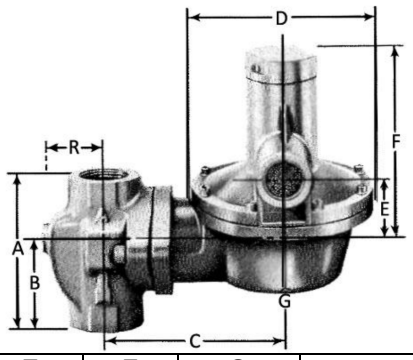

	A	B	C	D	E	F	G	-	-
¾ & 1”	3-3/4	2-1/8	4-7/8	4-7/8	2-5/8	5-1/2	2-1/4		
1-1/4”	4	2-1/8	4-7/8	4-7/8	2-5/8	5-1/2	2-1/4		
¾ & 1” 90°		1-5/8	4-7/8	4-7/8	2-5/8	5-1/2	2-1/4		

General Note on installation: The regulator comes with 3/4” 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 3/4” 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, a 1” B36R with 3/16” orifice. Capacities based on 10% change in outlet pressure from set point. 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				
Set point	**20 PSIG**	**40 PSIG**	**60 PSIG**	**75 PSIG**	**100 PSIG**
5 PSIG	1200	1950	2650	3100	4000
25 PSIG		1725	2650	3100	4000
60 PSIG				2300	3800

Capacities expressed for 0.6 s.g. nat. gas

v.3

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