

SUBMITTAL

v.4

Manufacturer: Itron
(formerly Actaris / Schlumberger)
Model: B34

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

MR: denotes closed throat monitor construction w/R

Other designations include MN, DN, DR, IMR, IMN, IMRV. Consult full brochure for details

Specifications:

Spring Color	Adj. Range
Orange	3.0 – 5" w.c.
Brown	4 – 6.5" w.c.
Green	5 – 8" w.c.
Black	6.5 – 13" w.c.
Purple	9.1 – 20.8" w.c.
Blue	15 – 28" w.c.
Blue/White	1 – 1.5 PSIG
Silver	1 – 2 PSIG
Silver/Red	1.1 – 2.1 PSIG
Yellow	2 – 4.5 PSIG
Red - nested	5 PSIG
White - nested	6 PSIG

Orifice	MAOP "w.c. delivery	MAOP PSIG delivery
1/4"	125	175
1/4 x 3/8"	125	175
3/8"	125	175
3/8' x 1/2"	75	150
1/2"	60	150
1/2 x 5/8"	60	150
5/8"	60	150
5/8 x 3/4"	60	150
3/4"	60	150
3/4 x 7/8"	60	150
7/8"	60	150
7/8 x 1"	25	150

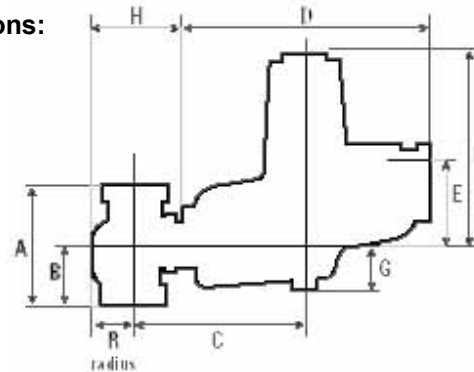
Connections*	
Inlet	Outlet
1 1/4"	1 1/4"
1 1/4"	1 1/2"
1 1/4"	2"
1 1/2"	1 1/2"
1 1/2"	2"
2"	2"
2" FL	2" FL
3" FL	3" FL

* NPT unless noted

Assembly:

Valve Body	High Tensile Strength Cast Iron
Orifice:	Brass
Valve Seat:	Buna-N or Silicone
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:	Die cast aluminum
Vent Screen:	Stainless Steel

Dimensions:



	A	B	C	D	E	F	G	H	R	Weight
Screwed	5 3/4"	2 7/8"	8 11/16"	12 3/4"	4 5/16"	10"	2 3/16"	4 1/2"	2 1/4"	24
2" & 3" Flanged	10"	5"	8 11/16"	12 3/4"	4 5/16"	10"	2 3/16"	4 1/2"	2 1/4"	34

General Note on installation: The regulator comes with a 1" vent with a stainless steel vent screen. On outside installations, regulator should be oriented with the vent pointing down to keep water or ice from entering vent. If regulator is installed with vent pointing up or to the side, vent screen should be removed and a 1" elbow (or elbows) should be installed to position the vent correctly. If installed inside, 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 2" Regulator, with 7/8x1" orifice. 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 product bulletin for capacities and relief curves of other configurations.

Capacity as a Function of Inlet Pressure & Set Point in SCFH					
Set Point	14" w.c.	1 PSIG	2 PSIG	5 PSIG	10 PSIG
7" w.c.	1900	3200	4700	8000	10000
11" w.c.	1456	2604	4530	7149	10000
14" w.c.		2150	4400	6500	10000

The B34R is compliant with ANSI and AGA-GAMA standards
MA Approval # G3-0110-299

Capacities expressed for 0.6 s.g. nat. gas, *Max capacity for 1 1/4" outlet pipe: 2500 SCFH, 1 1/2" pipe: 7500 SCFH, 2" pipe: 10,000 SCFH