SUBMITTAL

v.1

Manufacturer: Actaris
(formerly Schlumberger)

Model: B34S

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
	Brown	3.5 – 5" w.c.
	Dk Green	4.5 – 6.5" w.c.
	Light Green	5.5 – 7.5" w.c.
	Black	6 – 9" w.c.
	Blue	8.5 – 12.5" w.c.
	Silver	11 - 17" w.c.
	Red/Gray (HP)	1 PSIG
	Yellow (HP)	1.2 – 1.5 PSIG
	Red (HP)	1.5 – 1.9 PSIG
	White (HP)	1.75 – 2.5 PSIG

	Orifice	MAOP "w.c. delivery	MAOP PSIG delivery
	1/4 x 3/8"	100	100
	3/8 x1/2"	50	50
	1/2 x 5/8"	25	25
	5/8 x 3/4"	15	15
	3/4 x 7/8"	10	10
	7/8 x 1"	10	10
			(HP)

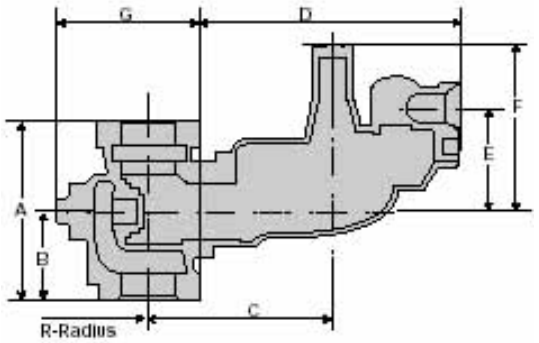
	Connections*	
	Inlet	Outlet
	1 1/4"	1 1/4"
	1 1/4"	1 1/2"
	1 1/4"	2"
	1 1/2"	1 1/2"
	1 1/2"	2"
	2"	2"
	2" FL	2" FL
	3" FL	3" FL

* NPT unless noted

Assembly:

Valve Body	High Tensile Strength Cast Iron
Orifice:	Brass
Valve Seat:	Buna-N or Silicone
Valve Stem:	Alodined aluminum
Lever:	Zinc & dichromate plated steel
Upper Diaphr Plate	Zinc & dichromate plated steel
Lower Diaph. 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	R	Weight
Screwed	5 ¼"	2 7/8"	6"	7 13/16"	3 ¼"	4 7/8"	4 1/2"	3 ¼"	22
Flanged	10"	2 1/8"	5 13/16"	7 13/16"	3 ¼"	4 7/8"	4 9/16"	3 ¼"	31

General Note on installation: The regulator comes with ¾" or 1" 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 an ¾" x 1" 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 1/2" 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.	895	1540	2300	5150	>7500
11" w.c.	642	1290	2061	4666	>7500
14" w.c.		1100	1880	4300	>7500

Capacities expressed for 0.6 s.g. nat. gas, *Max capacity for 1 ¼" outlet pipe: 2500 SCFH, 1 ½" pipe: 7500 SCFH, 2" pipe: 10,000 SCFH

The B34SR is compliant with ANSI and AGA-GAMA standards