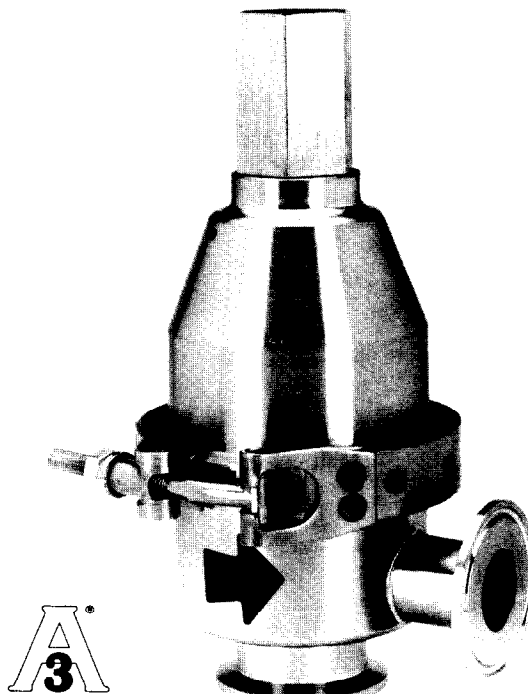


# 84000RR Series Sanitary Pressure Reducing Regulator

BULLETIN NO. 84.1.RR  
OCTOBER 1997

## SPECIFICATIONS

<b>BODY SIZE:</b>	1"
<b>SEAT LEAKAGE:</b>	ANSI/FCI 70-2, Class IV (Optional Class VI w/PTFE Soft Seat)
<b>MODEL NUMBER:</b>	84000RR
<b>WIDE OPEN FLOW COEFFICIENT:</b>	5
<b>(For Relief Valve Sizing)</b>	
<b>F<sub>L</sub> FACTOR:</b>	0.8
<b>CONNECTIONS:</b>	Tri-Clover (Tri-Clamp) (Optional Welding Ends)
<b>BONNET:</b>	Quick-Disconnect
<b>INTERNAL BODY FINISH:</b>	180 Grit / 25-35 Ra Microinch/ 0.64 - 0.89 Ra Micron (Optional: 240 Grit / 15-20 Ra Microinch / 0.38 - 0.51 Ra Micron)
<b>MAXIMUM FLUID TEMP.:</b>	310°F
<b>PRESSURE SETTING ADJUSTMENT:</b>	Adjusting Screw
<b>MAXIMUM INLET PRESS.:</b>	150 psi (60 psig saturated steam)
<b>SPRING RANGES:</b>	5-20 psi, 10-50 psi
<b>OPTIONS:</b>	PTFE Soft Seat EPDM Diaphragm



## TYPICAL FLOW CAPACITIES

RECOMMENDED OUTLET PRESSURE SPRING RANGE	OUTLET SETTING (PSIG)	INLET PRESSURE (PSIG)	WATER CAPACITY (GPM)	SATURATED STEAM CAPACITY (LBS/HR)	AIR CAPACITY (SCFH)
5 - 20 PSIG	10 PSIG	20	3.3	60	1218
		30	4.5	78	1570
		40	5.4	96	1920
		50	6.22	113	2272
	15 PSIG	20	4.8	81	1591
		30	5.7	111	2223
		40	7.2	136	2720
		50	8.4	161	3218
10 - 50 PSIG	20 PSIG	30	5.2	98	1920
		40	5.4	112	2240
		50	6.5	132	2650
		60	7.4	153	3060
	30 PSIG	40	8.8	184	3592
		50	8.9	208	4165
		60	10.6	240	4808
		70	11.9	//////////	5452

\* Capacity based on 20% droop in set point.

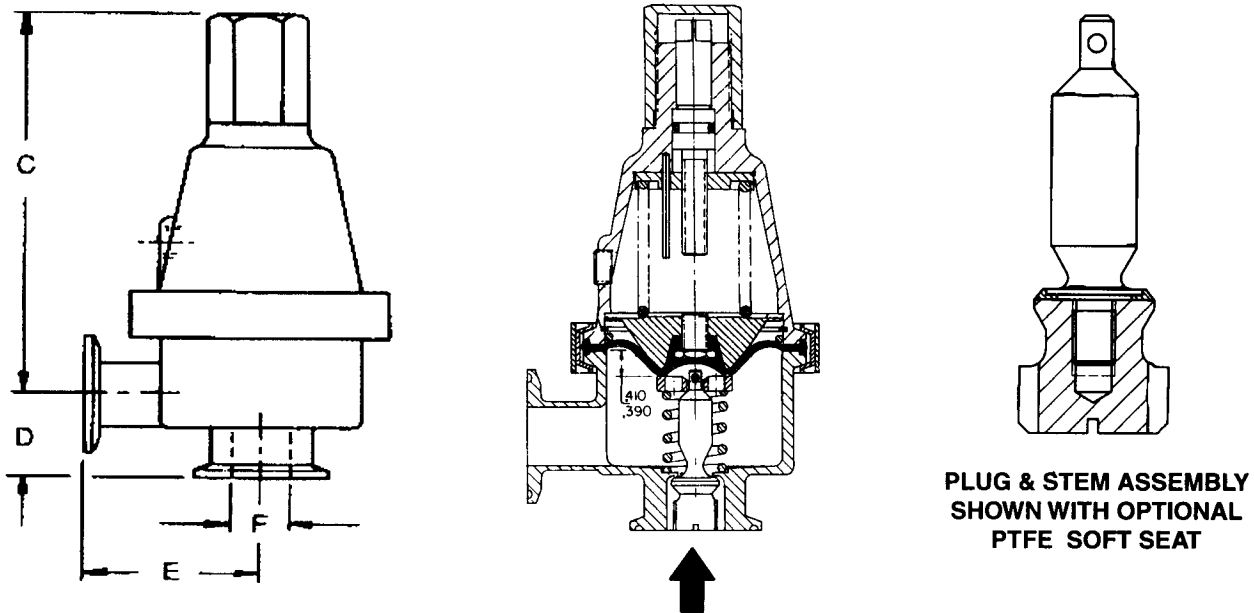
////////// Indicates inlet pressure and respective saturated steam temperature exceeds valve temperature rating.

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## ADDITIONAL FEATURES:

- Plug is not attached to and does not penetrate the diaphragm so no leakage path is created to the spring barrel which could lead to possible contamination.
- Self-draining from outlet to inlet when properly installed.
- Nonporous polished stainless steel body and internals for high purity processing.
- Suitable for continuous saturated sterile steam applications (SIP).
- Meets 3A Standard requirements.
- Diaphragm and bonnet can be removed with plug in place.



## 8400RR SERIES DIMENSIONS AND WEIGHT

VALVE SIZE	DIMENSIONS				WEIGHT
	C	D	E	F	
1"	6.32	1.38	2.50	0.87	5 LBS.

## MATERIALS OF CONSTRUCTION:

<b>BODY</b>	316L SS
<b>SPRING CASE</b>	316 SS
<b>CLOSURE DIAPHRAGM</b>	PTFE COVERED EPDM ELASTOMER (FDA SPEC. 175.300 & 177.2600) OPTIONAL EPDM ELASTOMER
<b>PLUG VALVE</b>	NITRONIC 60
<b>VALVE PLUG SPRING</b>	SS
<b>SPRING SEAT</b>	SS

**This product may be covered under one or more of the following patents 4,609,178 or under pending patent applications.**

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