

JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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Combination Valves

DESCRIPTION

Combination (Dual Unit) Valves combine the functions of pressure reducing (fill) valve and a non-code pressure reducing relief valve. Both Valves are equipped with an EPDM diaphragm. The diaphragm operated relief valve operates with a low differential between opening and closing pressures. The diaphragm operated pressure reducing valve is equipped with an inlet strainer and built-in low inlet pressure check valve.

Models with "F" prefix feature fast fill. Models ending with "TU" feature 1/2 sweat/NPT union.

CONSTRUCTION

Brass body with corrosion resistant internal components.

MODEL NUMBER	COMPONENT VALVES	BODY MAT'L	CONNECTIONS INCHES		DIMENSIONS INCHES		APPROX. SHIP. WT. LBS(Kg)	TAGGING INFORMATION	QTY.
			BOILER	FILL	BETWEEN CONNECTIONS	OVERALL HEIGHT			
8	RELIEF	BRASS	1/2 NPT	1/2 NPT	6-7/16	5-3/8	4		
	B-38	BRASS		1/2 NPT	(163.5)	(136.5)	(1.8)		
F-3	RELIEF	BRASS	1/2 NPT	1/2 NPT	6-7/16	6	3-3/4		
	FB-38	BRASS		1/2 NPT	(163.5)	(152.4)	(1.7)		
F-3TU	RELIEF	BRASS	1/2 NPT	1/2 UNION	8-5/8	6	4		
	FB-38TU	BRASS		NPT/SWEAT	(219.1)	(152.4)	(1.8)		

MAXIMUM OPERATING TEMPERATURE 225 °F(107 °C) - MAXIMUM WORKING PRESSURE 125 PSIG (862 kPa)

PRESSURE SETTING

RELIEF VALVE: 30 PSI (206 kPa) STANDARD; NOT FIELD ADJUSTABLE

REDUCING VALVE: 12 PSI (83 kPa) STANDARD; FIELD ADJUSTABLE RANGE: 10 TO 25 PSI (69 to 172 kPa)

TYPICAL SPECIFICATIONS

Furnish and install as shown on plans, a combination pressure reducing (fill) valve, and non-code pressure relief valve both of which shall be equipped with EPDM diaphragm to facilitate operation of the valves and to protect the non-wetted components from the system fluid. The pressure reducing valve shall also has a brass inlet strainer and integral low inlet pressure check valve.

The pressure reducing valve shall be set to limit the system fill pressure to _____ psig, and the pressure relief valve shall be set to relieve system overpressure at 30 psig.

Each combination valve shall be ITT Bell & Gossett Model No. _____ Dual Unit.