

Information Sheet

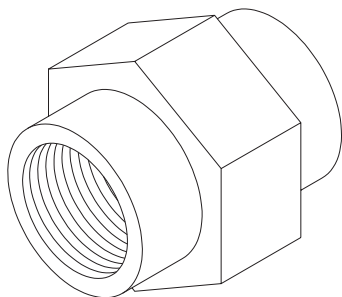
Flow Control Valves & Orifice Union



Flow Control Valve

The *Flow Control Valve* is part of LMI's *Boiler Conductivity Monitor and Blowdown System*. The valve is used to control the blowdown rate in order to prevent steam from flashing across the conductivity probe. Plumbing connections of 1/2" or 3/4" are available for the valves. Orifice unions may also be used to control the blowdown rate. Union and plate options are listed below.

PART NO.	PRESSURE	PLUMBING	WEIGHT
35201	800 psi (55 Bar)	1/2"	7 lbs. (3.2 kg)
35202	800 psi (55 Bar)	3/4"	7 lbs. (3.2 kg)
35203	1500 psi (104 Bar)	1/2"	14 lbs. (6.4 kg)
35204	1500 psi (104 Bar)	3/4"	14 lbs. (6.4 kg)
SPECIFICATIONS			
Carbon Steel Body 316 Stainless Steel Bonnet, Stem, Disc, Seat Micrometer dial for set point Temperature: 800° F (426° C)			



Orifice Union

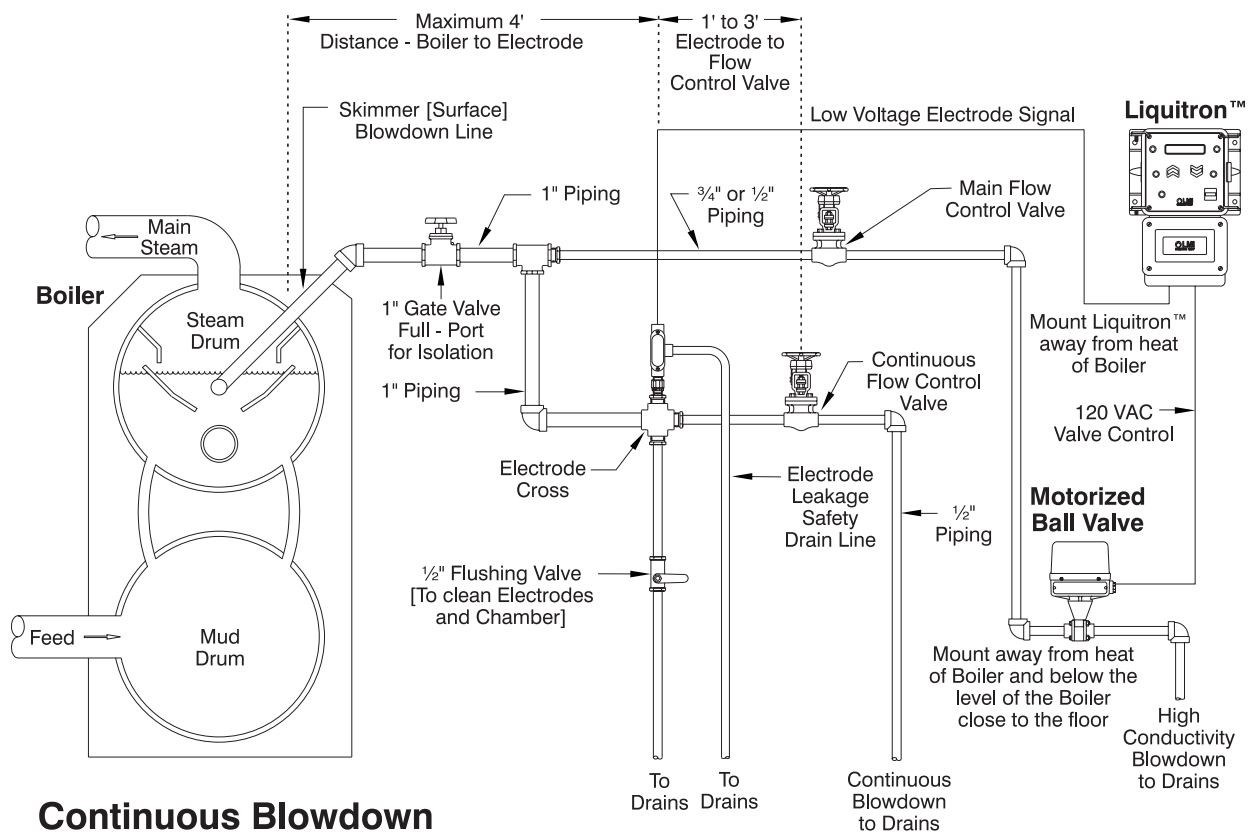
PART NO.	DESCRIPTION
35207	Union with 4 Plates
35208	Union with 4 Drilled Plates – 1/8" 3/16" 1/4" 5/16"
35206	Union
35210	4 Plates
35211	4 Drilled Plates – 1/8" 3/16" 1/4" 5/16"
SPECIFICATIONS	
Carbon Steel Body ASTM A-105, 1" NPT Plumbing 316 Stainless Steel Plate, Beveled - Tabbed Orifice Union 3000 psi (207 Bar) Temperature: 500° F (259° C)	



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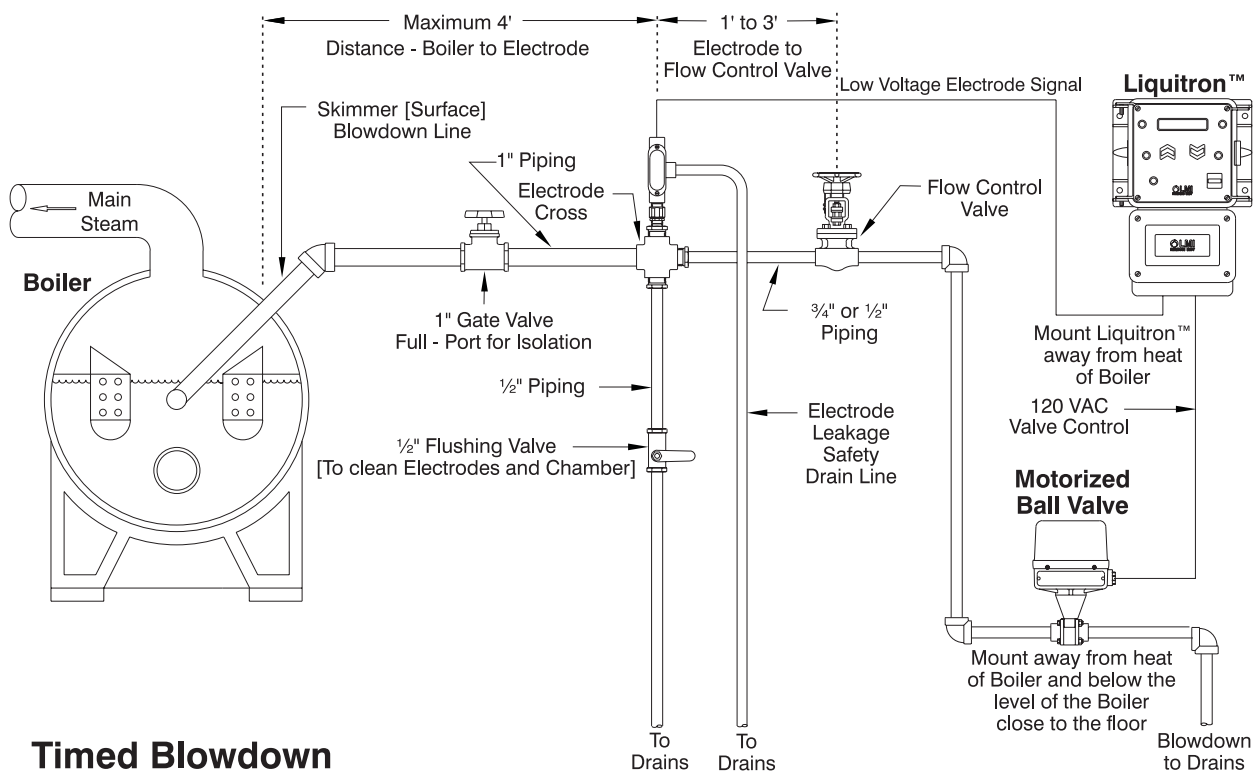
Replaces same of A 10/97
1770.B 1/04



Continuous Blowdown

Continuous Blowdown [Sampling] is recommended for boilers with blowdown requirements of over 5,000 lbs/hr. This system allows for continuous monitoring and control of boiler water conductivity.

Recommended System Installations



Timed Blowdown

Timed Blowdown [Sampling] is recommended for smaller boilers with blowdown requirements of less than 5,000 lbs/hr. The boiler water is periodically sampled for conductivity. This is done in order to maintain the boiler water level and not **'over blow'** the boiler.