



TYPE ICM HP Insertion Condensate Mixer

PRODUCT DESCRIPTION:

The Thermaflo Type ICM HP Jet Condensate Mixer is designed to accept high pressure (600 psig Max 500F) condensate discharge from main drip steam traps, and blend it with cooler low pressure condensate so that it can be discharged into a low pressure return line without the use of flash tanks or separate coolers. This simple device eliminates condensate line hammer and vented flash steam to atmosphere. Complete stainless steel construction for long life.

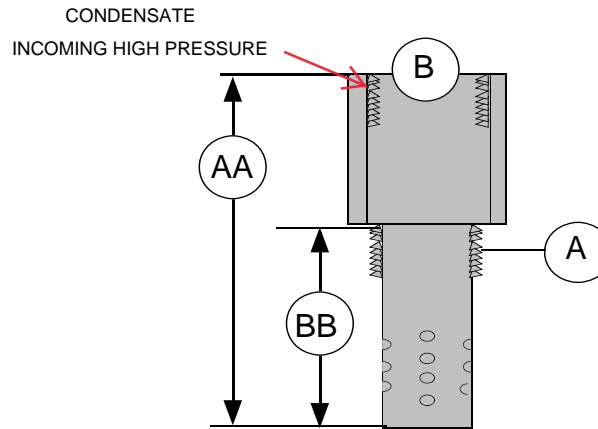
OPERATION:

High pressure condensate from a main drip steam trap is discharged into connection B of the ICM Mixer. Low pressure cooler condensate flows past the diffusing nozzle. The small orifice nozzles break up the high pressure flow into smaller jets where it can be precisely blended and cooled with the low pressure returns flowing past the diffusing nozzle cone. This action reduces the high pressure trap discharge to micro jets of condensate that are condensed rapidly into the low pressure return eliminating flash hammer in the return line.

SIZING:

Generally the ICM Mixer is sized for the discharge of up to two main drip steam traps with a maximum discharge capacity of 400 lbs/hr @ 600 psig max. Low pressure condensate flow and size may vary with many applications so the ICM HP is available with various "A" inlet and "C" outlet connections. The "B" inlet is limited to either 3/4" or 1" npt in size. Thermaflo applications can recommend a correct size for your application and provide a simple piping hookup detail. Its best practice to limit the number of traps discharging into the ICM HP to two. Process traps should use the Thermaflo JCM Mixer.

MADE IN USA INFO S10-ICM-1001 Phone 704-940-1228
 www.thermafloengineering.com Steam Systems Specialist Since 1986
 Manufacturing Facilities: 2880 Fair Ave Newberry, South Carolina 29018
 2020

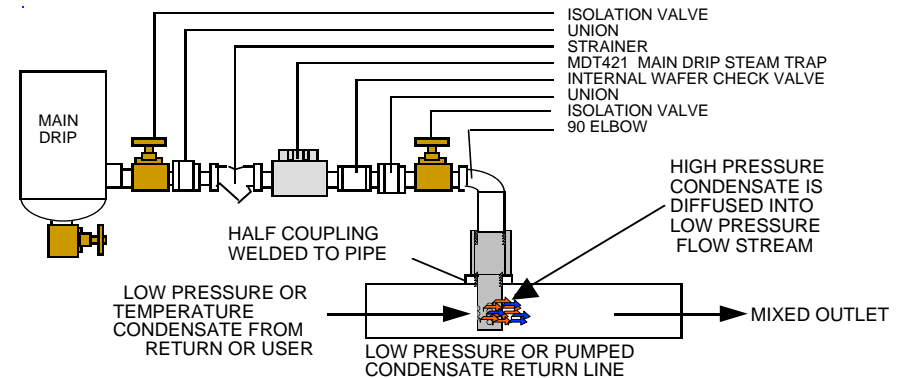


MAX INLET "B" TEMP: 500F 600 PSIG
 MAX OPERATING PRESSURE RATING: 600 PSIG MAX
 OPERATING TEMPERATURE RATING: 500F
 DIMENSIONS: INCHES

MODEL	A	B	AA	BB
ICM 200 -75	.5	.75	3	2.82
ICM 200 -1	.75	1	3	2.82
ICM 250 -75	.5	.75	3	3.15
ICM 250 -1	.75	1	3	3.15
ICM 300 -75	.5	.75	3	3.75
ICM 300 -1	.75	1	3	3.75
ICM 400 -75	.5	.75	6	4.78
ICM 600 -1	.75	.75	7	5.78

Sizes above 6" are available contact Thermaflo Engineering 704-940-1228

MATERIALS OF CONSTRUCTION: 316 Stainless Steel



TYPICAL HOOKUP