

Newton Systems



STEAM TRAP SERIES

Mixer

Mixer

Mixer **IN40M**



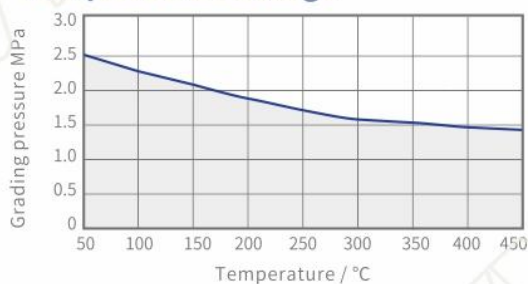
Technical Parameter

Model	Connection Method	Nominal Pressure PN	Working Pressure RangeMPa
IN40M	Threaded	25	0.5-1.7
	Butt welding	25	0.5-1.7
Condition Temperature°C/ PressureMPa		Maximum Heating Temperature°C/	
207/1.7		90	
207/1.7		90	

Inlet Pressure Versus Flow

System Pressure bar	Flow Kg/h	System Pressure bar	Flow Kg/h
0.5	222	9	1820
1	400	10	1950
2	580	11	2250
3	805	12	2370
4	970	13	2595
5	1125	14	2710
6	1295	15	2815
7	1445	16	2065
8	1620	17	3200

CF8 Material PN25 Valve Body Pressure-Temperature Ratings



Mixers are used where steam is used to heat water or other fluids. When working, the highspeed jet of steam sucks and mixes the liquid from the annular hole, and then sprays the heated medium into the water tank. The steam and the medium are fully mixed to avoid the temperature stratification difference.

IN40M has external thread and butt welding type. When installing with higher flow rate, two or more injectors can be installed in parallel.

Structural Features

- All stainless steel 304 material
- No moving parts, compact design
- Noise and vibration can be minimized

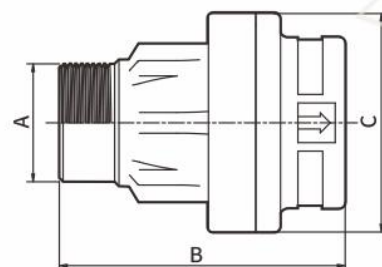
Installation Notes

- The mixer is installed low in the tank, preferably on the centerline, and injects steam horizontally.
- The piping can be inside or outside the tank.
- Steam piping must be well secured to protection against vibration and stress on tank walls.
- It is recommended to use a suitable adhesive on threaded joints.

Technical Standard

- JB/T8540-2013 Steam Jet Vacuum Pumps
- SH/T3118-2018 Steam Ejectors
- NB/T47015-2011 Welding Specification for Pressure
- VesselsGB/T12224-2015 General Requirements for Industrial Steel Valves

Structure Diagram



Structural Dimension Table

unit(mm)					
Model	Nominal Size	A	B	C	Weight
IN40M	DN40	ZG1 1/2"	118	92	1.6 kg
	DN40	BWΦ48X5	118	92	1.6 kg



VMV Newton Systems®

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