



Viscosity Independent Tank Proportioner

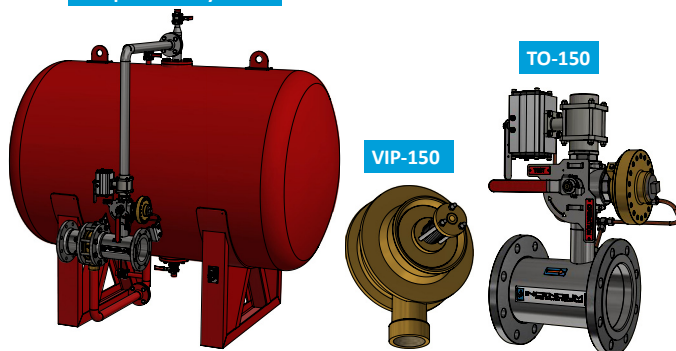
The VIP is a foam proportioner designed for use with bladder tanks, such as the IBT, that induces foam concentrate into the main water line. The VIP can be used in systems where large variations in flow occur.

What separates the VIP from a normal wide range proportioner is that it can, through its patent pending function, accurately induce foam independently of viscosity which has been shown to be an issue with many new types of foam concentrates. As an option, the VIP can also be fitted with a test outlet (TO) which allows for complete testing of a system without introducing any foam into the main water line.

The VIP provides a highly accurate proportioning ratio throughout its entire flow range combined with a low pressure-drop. The VIP is available with proportioning ratios from 1% up to 3% and is suitable for use with any type of foam concentrate.

The VIP is designed for mounting between flanges, DIN or ANSI and can easily be incorporated into existing bladder tank systems.

IBT-H pre-piped with a complete VIP system

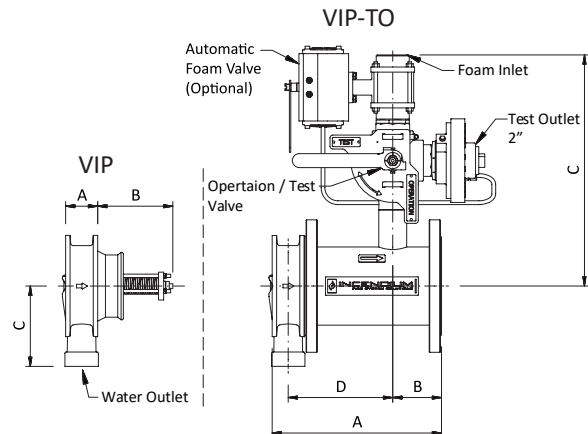


Material:

Body: Bronze
Internals: Stainless Steel (316L)

Product Features

- Patent pending proportioning and testing function independent of foam concentrate type.
- Accurate mixing over the entire flow range
- Customer specific, fixed proportioning ratio
- Suitable for fluorine free foams, especially high viscosity/ non-Newtonian properties
- Low pressure drop
- Wide flow range up to 120:1
- Economic and environmental friendly live foam testing without mixing water and foam concentrate
- Customer specific bladder tank water, foam and test outlet connections available
- Incendium Automatic Foam Valve (IAFV) available as option
- Test Outlet hose available as option
- Designed and tested according to EN 13565-1



DIMENSIONAL DATA

Model	Length [mm]				Connection water* / mixing**	Weight [kg]
	A	B	C	D		
VIP-150	69	200	173	NA	DN150 / 2" F	16
VIP-TO-150	384	125	498	225	DN150 / 2" F	30
VIP-200	91	339	214	NA	DN200 / 2 1/2" F	29
VIP-TO-200	473	132	581	296	DN200 / 2 1/2" F	50
VIP-250	100	435	225	NA	DN250 / 2 1/2" F	46
VIP-TO-250	562	152	623	360	DN250 / 2 1/2" F	65

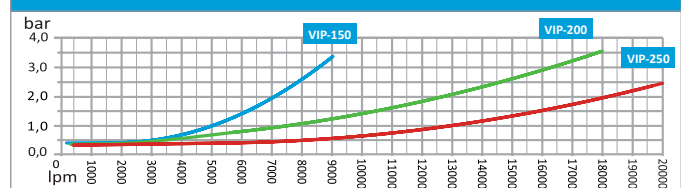
** Mounted between flanges: DIN PN16 / ANSI 150lbs.

** Water Outlet and Foam Inlet.

PERFORMANCE DATA

Model	Flow Range [l/min]	Min. Straight Pipe Length Upstream [mm]	Min. Straight Pipe Length Downstream [mm]
VIP-150	70-9000	300	300
VIP-200	150-18000	400	400
VIP-250	200-20000	500	500

PRESSURE DROP



The VIP together with the TO (VIP-TO) allows for reliable testing of mixing ratio without mixing the foam concentrate with water. After the test has been completed, the foam concentrate can be pumped back into the bladder tank.

For a demonstration video, please use the link below.

<https://vimeo.com/277641987>

WORKING PRINCIPLE

