

Bladder Tank Proportioner TP MK2

General Description

SKUM TP MK2 proportioners guarantee accurate foam proportioning over a wide range of flow and pressure conditions. Manufactured in bronze, they are maintenance-free and used in a wide range of industrial and marine environments.

Application Description

The TP MK2 proportioner is used in conjunction with bladder tanks to supply accurate foam delivery to fire monitors and deluge systems. The TP is used in combination with the SKUM MTB bladder tank.

Product Features

- Designed to meet the requirements of EN13565:1 and NFPA 16 Ch 4
- Factory set to deliver accurate foam proportioning up to 6%
- Maintenance free compact design
- Corrosion resistant materials
- Wafer type water connection

Connections

- Water: wafer mounted between flanges, see performance data table
- Foam: flanged to fit DIN PN16 or ANSI 150 lbs or screw-threaded BSP, see performance data table

Installation

The tank proportioner is designed to fit between flanges and is only to be used with a bladder tank system.

A minimum of five diameters (D) of straight pipe is required in the water line before entering the proportioner and three diameters (D) after the proportioner. Minimum distance for water pressure into tank upstream of the TP is four diameters (D) and maximum distance is 10 metres.



TP - 100 / TP - 150



TP- 200 / TP - 250

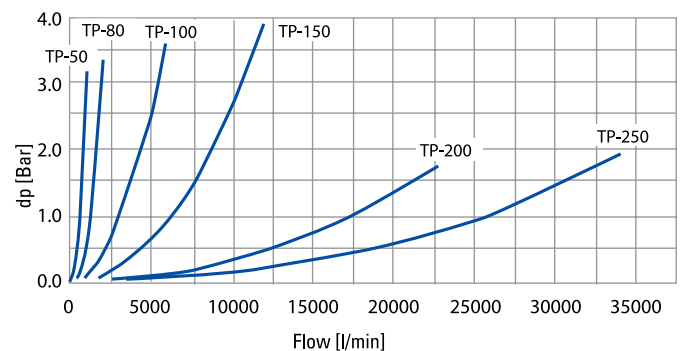
Listings and Approvals

- Tested according to and complying with EN 13565:1
- Det Norske Veritas (DNV)
- Chinese National Test Centre Approval (TFRI); TP-100
- Russian State Fire Academy
- Russian Maritime Register of Shipping (RMRS)

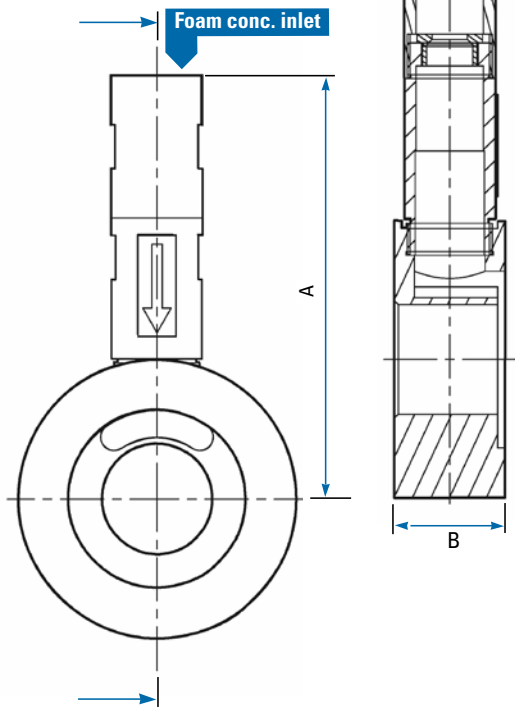
Order Information - Please Specify

1. Part Number
2. Size
3. Foam proportioning %

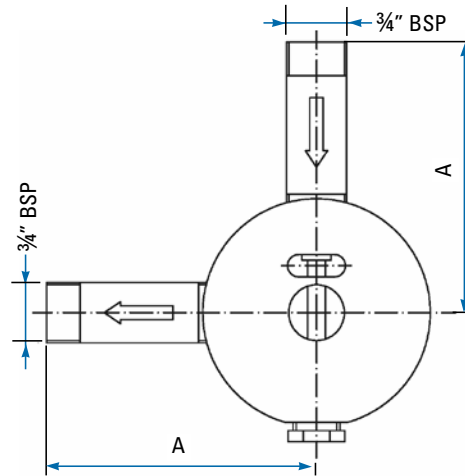
Pressure Drop



TP - 100 / TP - 150

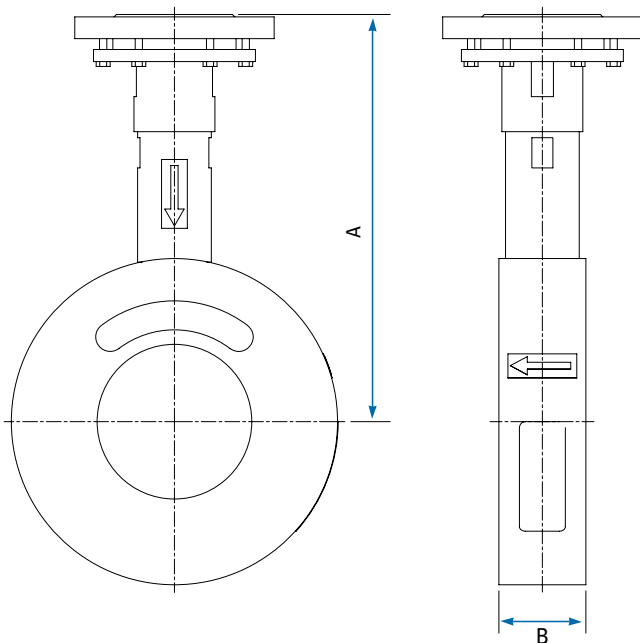


TP - 50 / TP - 80



For dimensions A and B please see table below

TP - 200 / TP - 250



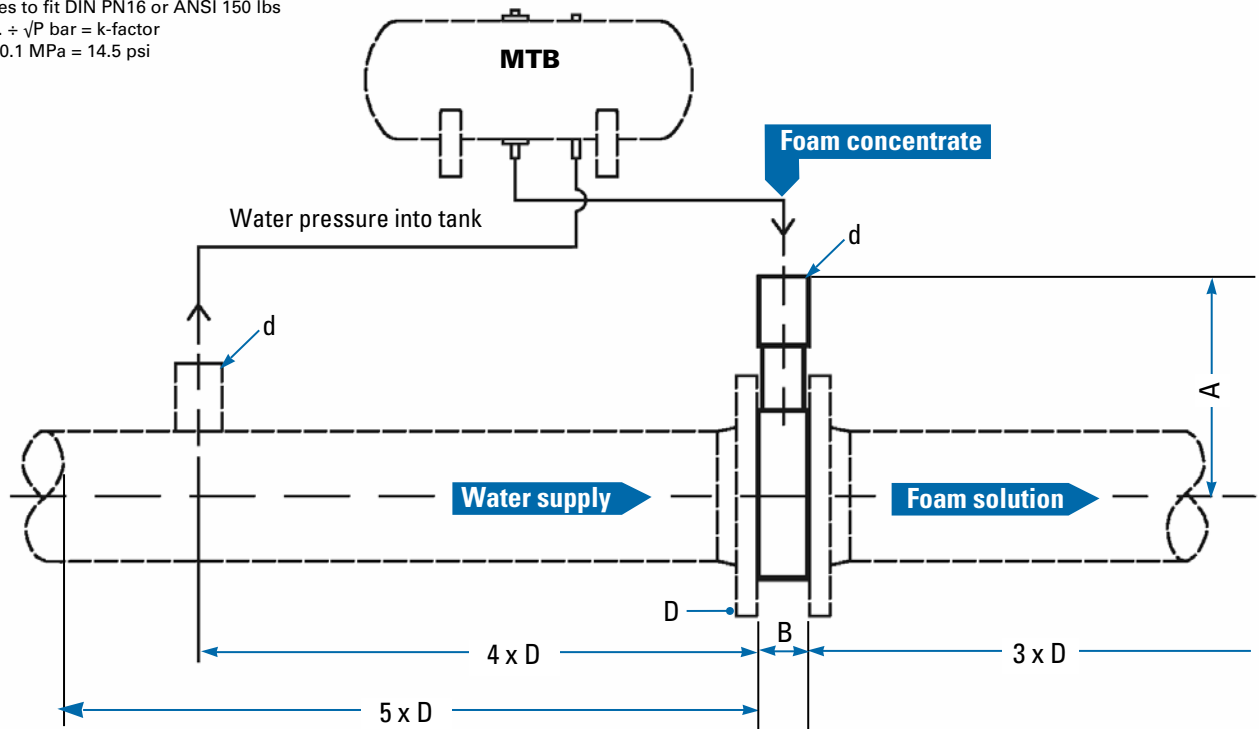
Dimensions TP

Type	A mm	B mm
■ TP-50	125	37
■ TP-80	140	37
■ TP-100	239	62
■ TP-150	262	62
■ TP-200	337	72
■ TP-250	365	72

Performance Data

Type	Connection		Capacity Min.		Capacity Max.		Proportioner K-factor	Weight		Max. Working Pressure		Material
	d*	D	l/min	USGPM	l/min	USGPM		kg	lbs	bar	psi	
TP-50	3/4" BSP	50 / 2"	125	33	800	211	450	6	13	16	235	Bronze (Cu88Sn12)
TP-80	3/4" BSP	80 / 3"	300	79	2,000	528	1,110	10	22	16	235	Bronze (Cu88Sn12)
TP-100	1 1/2" BSP female and grooved 50 (2")	100 / 4"	770	203	6,000	1,585	4,040	12	26	16	235	Bronze (Cu88Sn12)
TP-150	1 1/2" BSP female and grooved 50 (2")	150 / 6"	1,500	396	12,000	3,170	7,070	15	33	16	235	Bronze (Cu88Sn12)
TP-200	50 / 2"	200 / 8"	2,875	760	22,750	6,001	17,255	32	71	16	235	Bronze (Cu88Sn12)
TP-250	80 / 3"	250 / 10"	5,100	1,347	34,100	9,009	27,060	42	92	16	235	Bronze (Cu88Sn12)

* Flanges to fit DIN PN16 or ANSI 150 lbs
 Q l/min. ÷ √P bar = k-factor
 1 bar = 0.1 MPa = 14.5 psi



Part No.	Description
■ 124005105	TP-50
■ 124008107	TP-80
■ 124310102A	TP-100 BSP 3%
■ 124310004E	TP-100 BSP 2%
■ 124310004B	TP-100 BSP 1%
■ 124310004J	TP-100 BSP 6%
■ 124315007A	TP-100 BSP 3%
■ 124315007E	TP-100 BSP 2%
■ 124315007B	TP-100 BSP 1%
■ 124315007J	TP-100 BSP 6%

Part No.	Description
■ 124320103A	TP-200 DIN/ANSI 3%
■ 124320103E	TP-200 DIN/ANSI 2%
■ 124320103B	TP-200 DIN/ANSI 1%
■ 124320103J	TP-200 DIN/ANSI 6%
■ 124325104A	TP-250 DIN 3%
■ 124325104E	TP-250 DIN 2%
■ 124325104B	TP-250 DIN 1%
■ 124325104J	TP-250 DIN 6%
■ 124325206A	TP-250 ANSI 3%
■ 124325206E	TP-250 ANSI 2%
■ 124325206B	TP-250 ANSI 1%
■ 124325206J	TP-250 ANSI 6%