

## PP

(replaces datasheets 1010/19 and 23)

### General description

The balanced PP proportioner induces foam concentrate into the water feed line. Foam proportioning accuracy is maintained during fluctuations in water flow and pressure.

### Application description

This type of proportioner is used in foam pump systems. The PP series is designed for monitor and deluge systems.

### Product features

- Designed to meet the requirements of EN 13565-1 and NFPA 16 Ch 4
- Maintenance free design
- High quality, high reliability
- Manufactured using corrosion resistant design and materials
- Factory set to deliver accurate foam proportioning up to 6%
- Wafer type water connection
- Flanged or screw threaded BSP foam connection

### Connections

- Water: wafer mounted between flanges, see table
- Foam: flanged to fit DIN PN 16 or ANSI 150 lbs or screw-threaded BSP, see table

### Listings and approvals

- Tested according to and complying with EN 13565-1
- Marine approvals (DNV, BV, RMRS)
- China National Test Centre Approval (TFRI); PP-100; PP-150
- Russian State Fire Academy



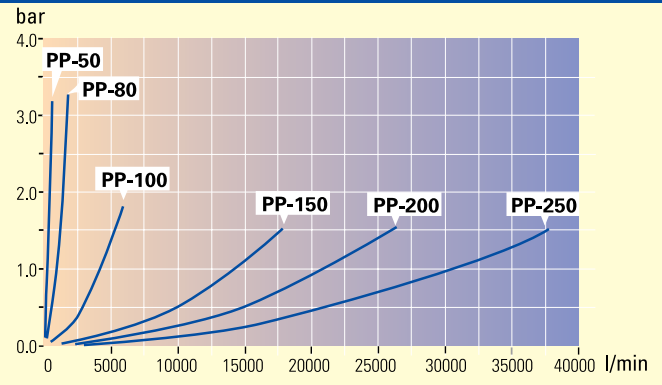
PP-50  
PP-80



PP-100  
PP-150  
PP-200  
PP-250



### Pressure Drop



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Datasheet Ref: SK1008

# Balanced Pressure Proportioner - Mk2

PP

Datasheet 1010/42

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(replaces datasheets 1010/19, 23 and 40)

## Operation

The proportioner will operate automatically when the flows and pressure are within the flow range. The foam pressure must be at least one bar higher than the water pressure through the proportioner. Operates all valves in the system smoothly.

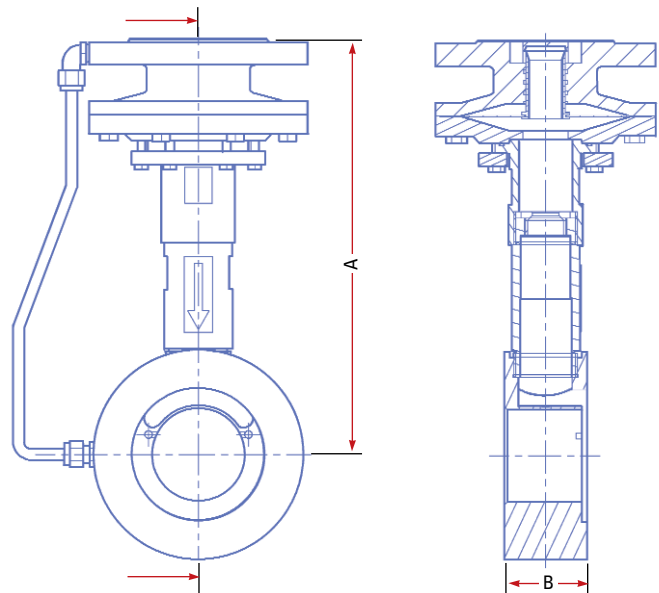
## Installation

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.

## Order information

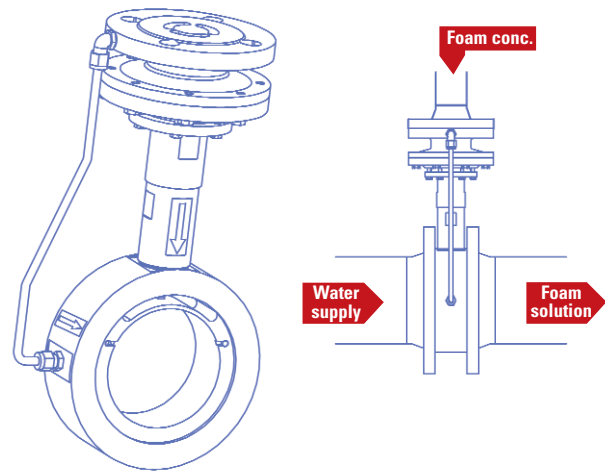
Description	Part No.	Description	Part No.
PP-50	123005111	PP-200 DIN 6%	123320103J
PP-80	123008108	PP-200 ANSI 3%	123320207A
PP-100 DIN/ANSI 3%	123310102A	PP-200 ANSI 2%	123320207E
PP-100 DIN/ANSI 2%	123310102E	PP-200 ANSI 1%	123320207B
PP-100 DIN/ANSI 1%	123310102B	PP-200 ANSI 6%	123320207J
PP-100 DIN/ANSI 6%	123310102J	PP-200 DIN 3%	123325104A
PP-150 DIN/ANSI 3%	123315105A	PP-200 DIN 2%	123325104E
PP-150 DIN/ANSI 2%	123315105E	PP-200 DIN 1%	123325104B
PP-150 DIN/ANSI 1%	123315105B	PP-200 DIN 6%	123320104J
PP-150 DIN/ANSI 6%	123315105J	PP-250 ANSI 3%	123325206A
PP-200 DIN 3%	123320103A	PP-250 ANSI 2%	123325206E
PP-200 DIN 2%	123320103E	PP-250 ANSI 1%	123325206B
PP-200 DIN 1%	123320103B	PP-250 ANSI 6%	123325206J

PP-100 - PP-250



PP-200

PP-250



Performance Data PP Proportioners												
Type	Connection		Capacity				Proportioner k-factor	Weight		Max. working Pressure		Material
	Foam*	Water	Min.	Max.	Min.	Max.		kg	lbs	bar	psi	
PP-50	3/4" BSP female	50 / 2"	125	33	800	211	450	6	13	16	235	Bronze (Cu88Sn12)
PP-80	3/4" BSP female	80 / 3"	300	79	2,000	528	1,110	10	22	16	235	
PP-100	50 / 2"	100 / 4"	770	203	6,100	1,612	4,550	18	40	16	235	
PP-150	50 / 2"	150 / 6"	1,500	396	18,000	4,756	14,700	21	46	16	235	
PP-200	80 / 3"	200 / 8"	2,875	760	26,500	7,000	21,500	43	95	16	235	
PP-250	80 / 3"	250 / 10"	5,100	1,347	37,850	10,000	31,000	53	117	16	235	

\*Flanges to fit DIN PN16 or ANSI 150 lbs Q l/min.  $\approx \sqrt{P}$  bar = k-factor 1 bar = 0.1 MPa = 14.5 psi

Dimensions PP		
Type	A mm	B mm
PP-50	200	37
PP-80	220	37
PP-100	312	62
PP-150	333	62
PP-200	411	82
PP-250	439	82



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