BALANCED PRESSURE PROPORTIONER

KEY USERS

- Petrochemicals
- Fuel Storage Sites
- Oil & Gas
- Marine
- Major Industrials
- Aviation
- Chemical Facilities
- Nuclear

KEY FACTS

- Designed for Foam Pumps & Bladder Tanks
- Accurate Variable Proportioning
- Wide Range 10:1 Flow Ratio
- Corrosion Resistant
- Suitable for Marine Use
- Robust Construction
- Wafer-Fit Design – 2” & 3” PN16 or ANSI Flange Options

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GENERAL DESCRIPTION

The Delta **Balanced Pressure Proportioner** is suited for foam pumps and bladder tanks, particular where the tank is installed at distance from the mixer.

Comprising two principle parts, the top balancing valve and the lower proportioning body, the Delta Balanced Pressure Proportioner is manufactured with a bronze body (optional stainless steel) and stainless steel internals for the very best in corrosion resistance.

The top balancing valve equalizes the water and foam pressure making the proportioning independent of the foam pumping pressure. In order to ensure accurate mixing the foam pressure at the unit should be at least 1 to 1½ bar higher than the water pressure. The lower variable body ensures mixing accuracy within a ratio between the minimum and maximum flow rate of 1:10.

The Delta Balanced Pressure Proportioner provides accurate variable proportioning and is suitable for marine use.

TECHNICAL DATA

Type	A	B	C	D	Flow Rate				Weight (kg)	Foam	Bar²
	mm	ø	mm	ø	Minimum		Maximum				
					LPM	GPM	LPM	GPM			
STANDARD VERSION (BRONZE)											
DBPP-100/50	259	4”	70	2”	400	106	4000	1057	30	All Foam	1.8
DBPP-150/50	291	6”	70	2”	840	222	8400	2219	30	All Foam	2.0
DBPP-200/80	361	8”	82	3”	1600	423	16000	4227	54	All Foam	0.8
DBPP-250/80	393	10”	82	3”	2500	660	25000	6605	62	All Foam	1.0

Body Material	Bronze (Stainless Steel Optional)
Internal Materials	Stainless Steel
Minimum Foam / Water Pressure Differential	1 to 1½ Bar
Maximum Working Pressure	20 Bar
The Delta Balanced Pressure Proportioner can work at higher flow rates with larger pressure drop	
The pressure drop at the minimum flow rate is approximately 0.3 Bar	

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