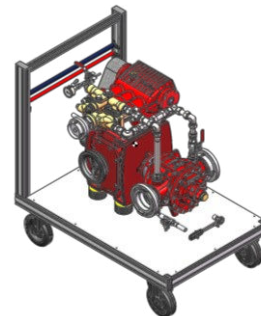


■ DATA SHEET PROPORTIONER FOR MOBILE USE

FD2000/0.3-3-M and FD3000/0.3-3-M GEN III.



■ 1. TECHNICAL DATA.

Type	FD2000/0.3-3-M	FD3000/0.3-3-M
Proportioning rates - Standard - with cylinder cut-off ¹⁾	stufenlos verstellbar 0.3 % - 3 % 0.1 %	
Water motor flow direction	Horizontal: "left → right"	
Max. water flow rate	2000 l/min	3000 l/min
Min. water flow rate ²⁾	200 l/min	250 l/min
Max. operating pressure	16 bar	
Operating temperature ³⁾	5 °C – 50 °C	
Weight ⁴⁾	approx. 240 kg freshwater approx. 294 kg seawater	approx. 306 kg freshwater approx. 361 kg seawater

1) Special equipment

2) The nominal proportioning rate is achieved when reaching the specified minimum figure. Indication for proportioning of fluid Newtonian foam agents at an operating pressure of 5 bar. More details on page 2 in paragraph 4. "Minimum water flow rate".

3) Operating temp. is the max. ambient and medium (foam and extinguishing water) temperature. Max. permitted foam agent temperature: generally 50 °C

4) Weight indications refer to standard version without water or foam agent inside. Weight will vary in case of special equipment.

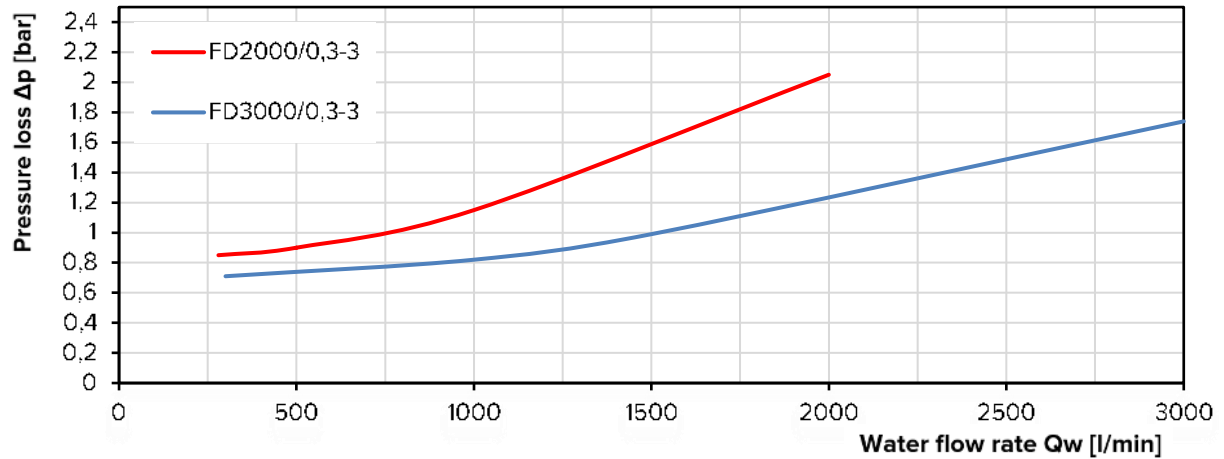
■ 2. MATERIALS.

	Freshwater	Seawater
Water motor:	Cast aluminium G-AlSi7Mg HC-coated, AlMgSi1 HC-PTFE-coated, stainless steel 316, 316Ti, POM, PVDF, NBR, FKM	Cast bronzeGB-CuSn10, aluminium bronze CuAl10Ni5Fe4, stainless steel 316, 316Ti, POM, PVDF, NBR, FKM
Proportioning pump:	FKM, PTFE, 316Ti, ceramic, steel, CuAl10Fe5Ni5, G-AlMg3Si	
Pipework:	316Ti, AISI 316, FKM	
Coupling:	aluminium, 316, T-PUR	AISI 303, 316, T-PUR



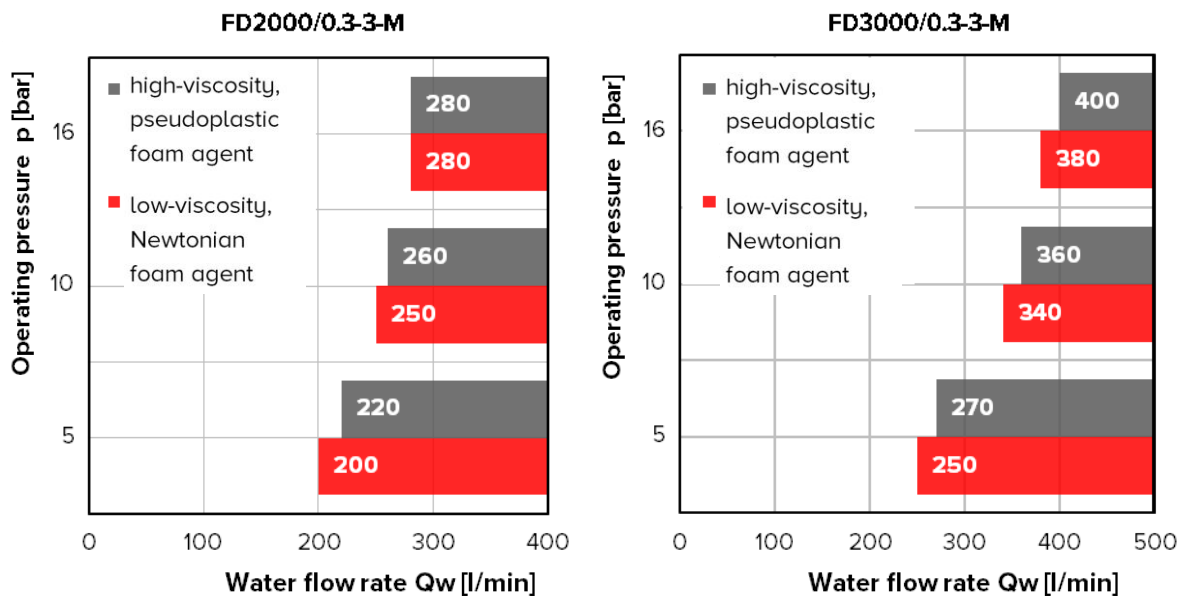
3. PRESSURE LOSS.

Indication valid for operating pressure of 10 bar. For more information on different system conditions or proportioning rates, please contact us.



4. MINIMUM WATER FLOW RATE.

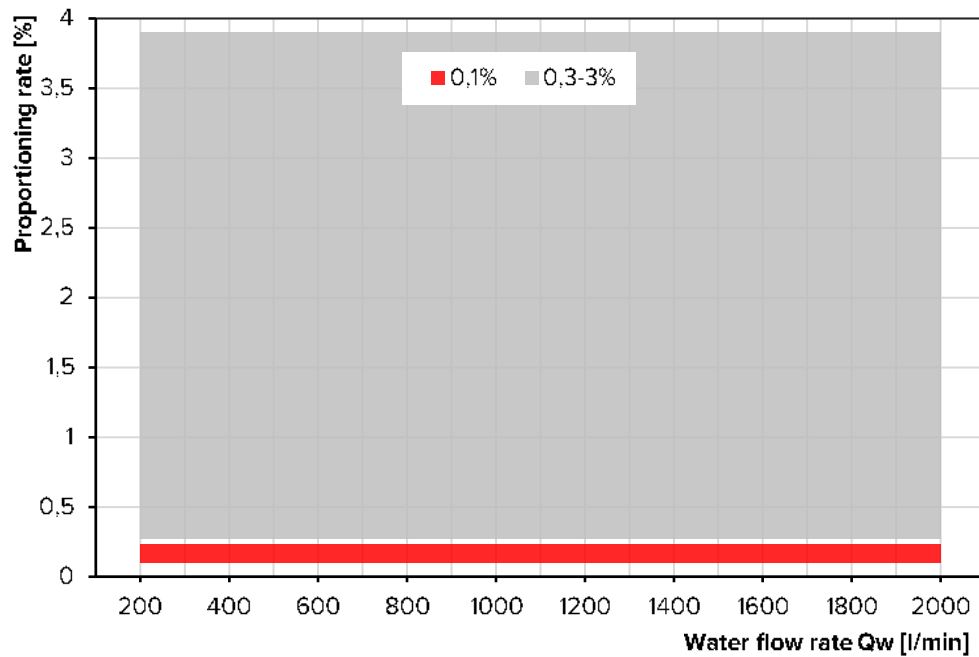
The following diagrams show the effect of the operating pressure and foam agent viscosity on the minimum water flow rate.



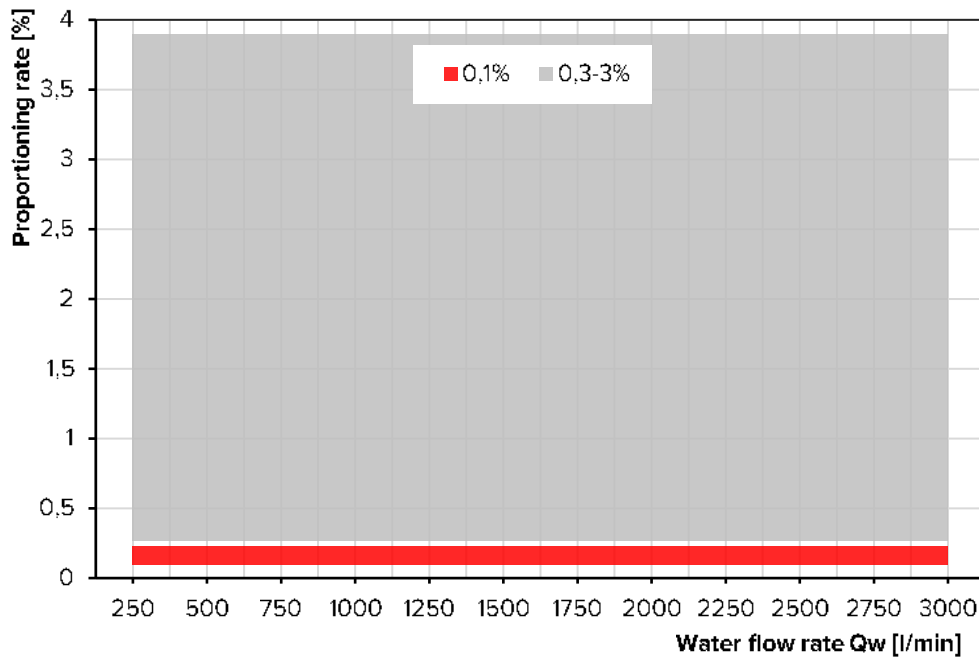
■ 5. OPERATING RANGE.

Indication valid for operating pressure of 10 bar.

FD2000/0.3-3 with optional cylinder cut-off

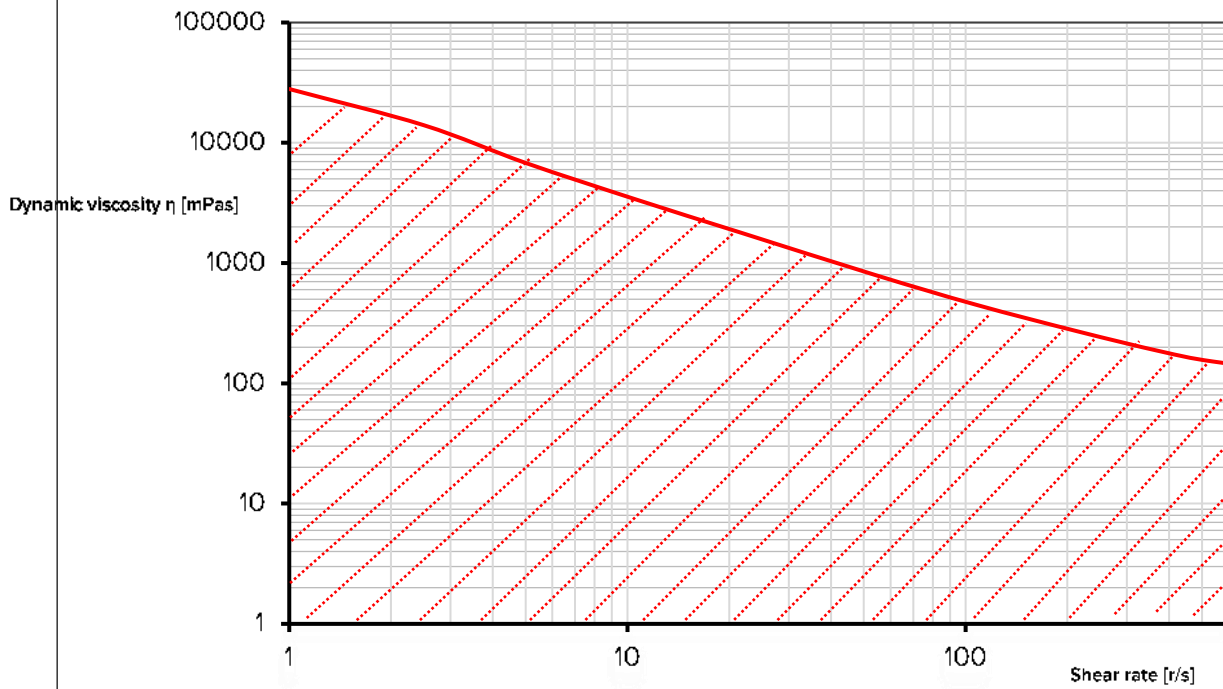


FD3000/0.3-3 with optional cylinder cut-off

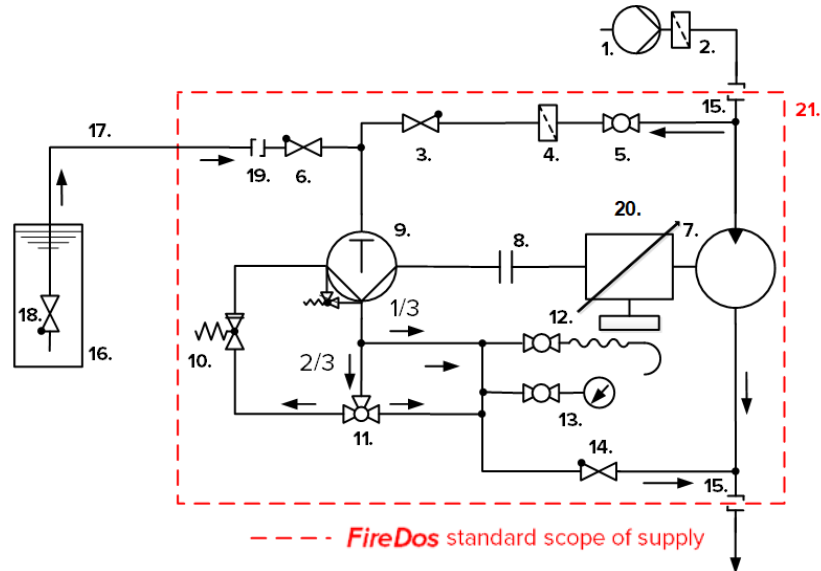


■ 6. FOAM AGENT VISCOSITY.

The **FireDos** proportioner for fire trucks is suitable for all foam agents up to a maximum viscosity as specified in the below diagram. Please contact us if the dynamic viscosity of your foam agent is higher than the values in the diagram.



7. FLOW DIAGRAM.



Item	Description	Item	Description
1.	Water supply	12.	Air bleed valve of proportioning pump
2.	Water filter	13.	Pressure gauge with shut-off valve
3.	Check valve in the flushing line	14.	Check valve in the proportioning line
4.	Filter in the flushing line	15.	Storz-type coupling on water motor ^{b)}
5.	2-way ball valve "Flushing/Priming"	16.	Foam agent supply
6.	Check valve in the suction line	17.	Suction hose
7.	Water motor	18.	Check valve of suction hose
8.	Coupling	19.	Storz-type coupling on suction line ^{b)}
9.	Proportioning pump	20.	Adjustment gear
10.	Cylinder cut-off pressure sustaining valve ⁵⁾	21.	Standard scope of supply of FireDos proportioner
11.	Cylinder cut-off 3% / 1% ⁵⁾		

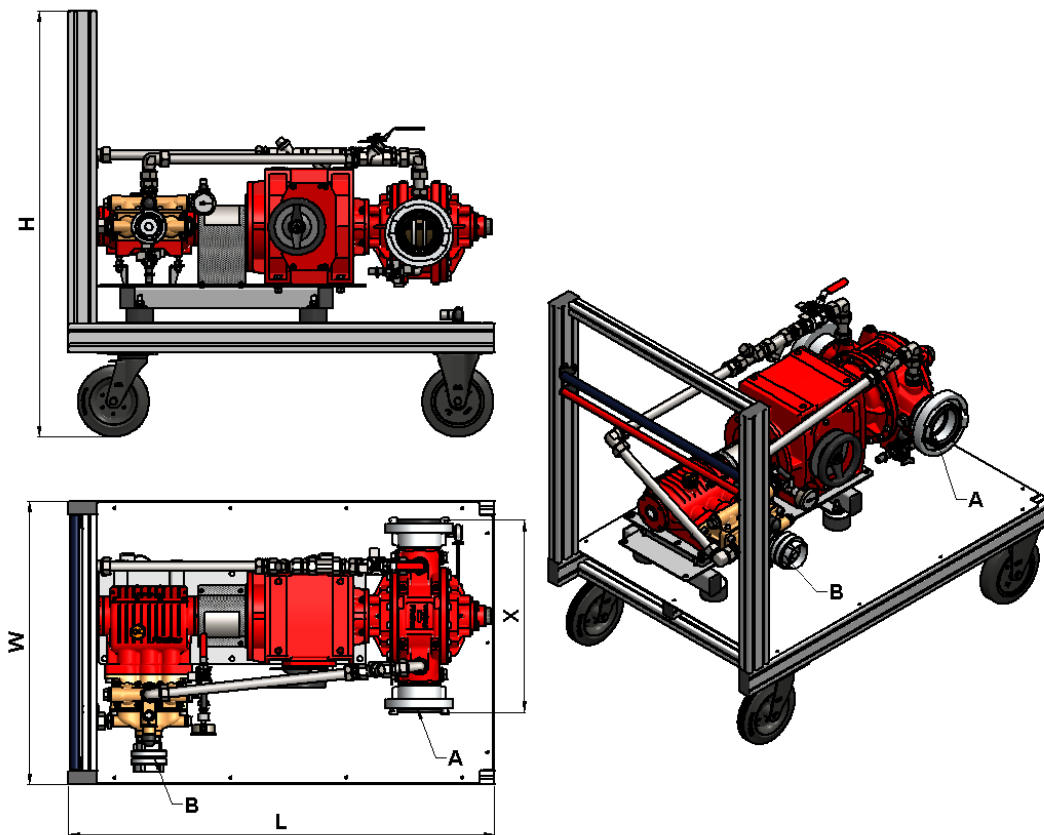
5) Sonderausstattung

8. SPECIAL EQUIPMENT.

Cylinder cut-off for 1%	Seawater version
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■ 9. EXAMPLE FIGURE / DIMENSIONS.

FD2000/0.3-3-M.

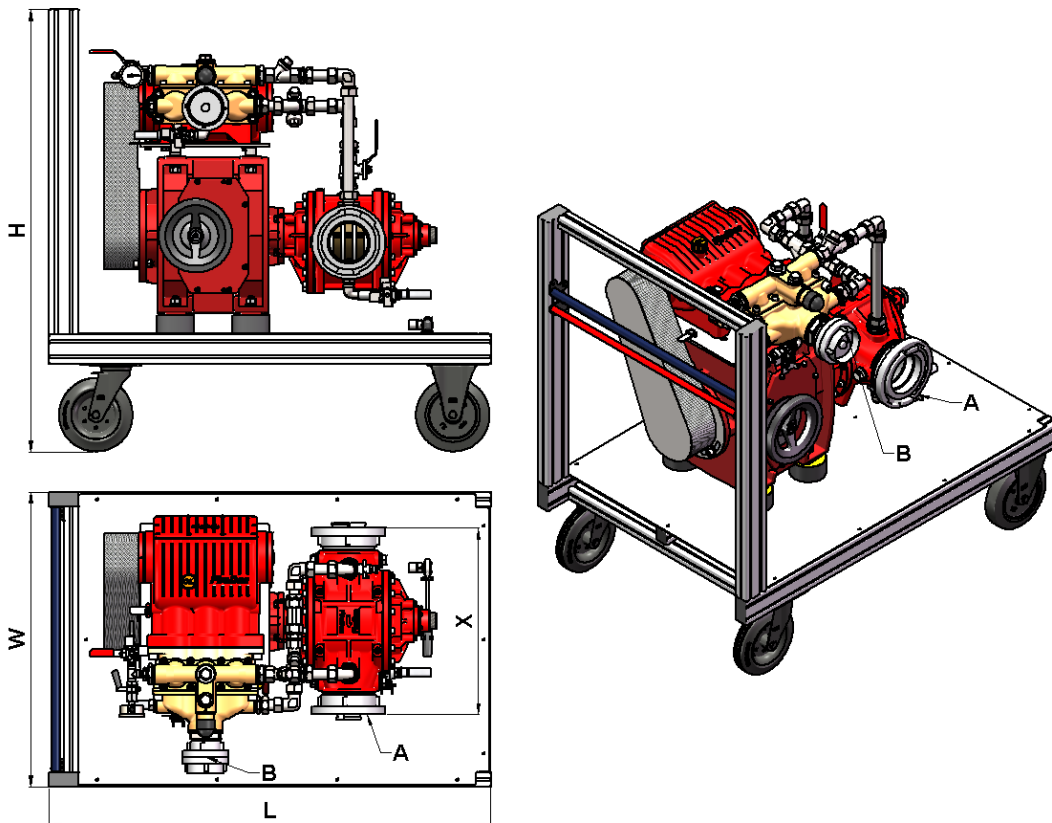


Unit type	FD2000/0.3-3-M
Connection water motor A	Storz 110=A-DS
Connection suction line B	Suction hose DN50, Storz 52=C-DS
Installation length water motor X	approx. 522 mm
Length L	approx. 1200 mm
Width W	approx. 800 mm
Height H	approx. 1200 mm

Please allow sufficient accessibility of the proportioner for maintenance work.

10. EXAMPLE FIGURE / DIMENSIONS.

FD3000/0.3-3-M.



Unit type	FD3000/0.3-3-M
Connection water motor A	Storz 125
Connection suction line B	Suction hose DN65. Storz 75=B-DS
Installation length water motor X	approx. 506 mm
Length L	approx. 1200 mm
Width W	approx. 800 mm
Height H	approx. 1200 mm

Please allow sufficient accessibility of the proportioner for maintenance work.

11. MANUFACTURER.

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Phone +49 (0) 6036 9796-0, Email: info@firedos.de

We reserve the right to make modifications at any time.