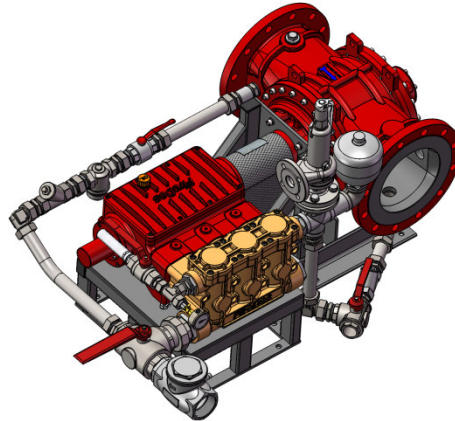


■ DATA SHEET PROPORTIONER FD8000 FOR STATIONARY EXTINGUISHING SYSTEMS.



■ 1. TECHNICAL DATA.

Proportioning rate	0.5%	1%	3%	6%	3% + 3%
Approvals	-	FM 3039305 ²	FM 3039305 ¹	-	-
	-	VdS G4080055 ²		-	-
	DNV-GL TAF00000GK ¹				
Flow directions of water motor	Horizontal: "left → right" or "right → left" Vertical: "top → bottom" or "bottom → top"				
Min. water flow rate ³	500 l/min	500 l/min	500 l/min	700 l/min	700 l/min
Min. water flow rate ³ with flow reduction	170 l/min	170 l/min	170 l/min	240 l/min	240 l/min
Max. water flow rate	8000 l/min				
Operating temperature	5 °C – 50 °C				
Max. operating pressure	16 bar				
Weight ⁴					
Freshwater version	195 kg	225 kg	400 kg	660 kg	565 kg
Seawater version	397 kg	430 kg	600 kg	850 kg	755 kg
ATEX classification (optional) ⁴	Ex CE II 2G IIC c T4 / II 2D IIIC c T<130°C				

1) Applies to pump generation I and II.

2) Applies to pump generation I.

3) Proportioning starts even at a lower water flow rate. The nominal proportioning rate is achieved when reaching the specified figure.

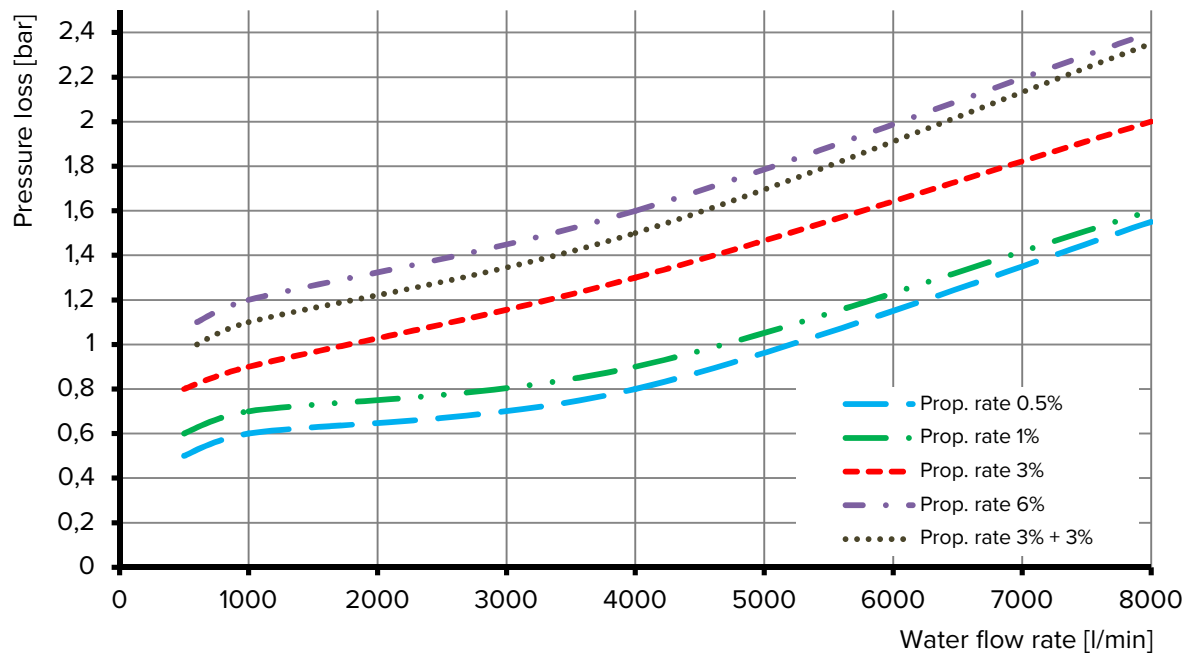
4) Weight indication is based upon a proportioner with a service crank. Further accessories installed at the proportioner will increase the specified weight. Weight indications do not consider extinguishing water or foam agent.

5) The proportioner does **not** have a service crank if it is an ATEX version. Divergent materials are possible.



2. PRESSURE LOSS.

The actual pressure loss may slightly vary, depending on the operating conditions.

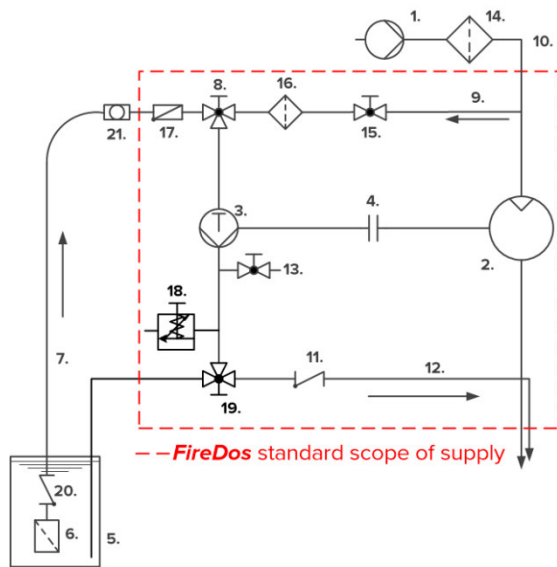


3. MATERIALS.

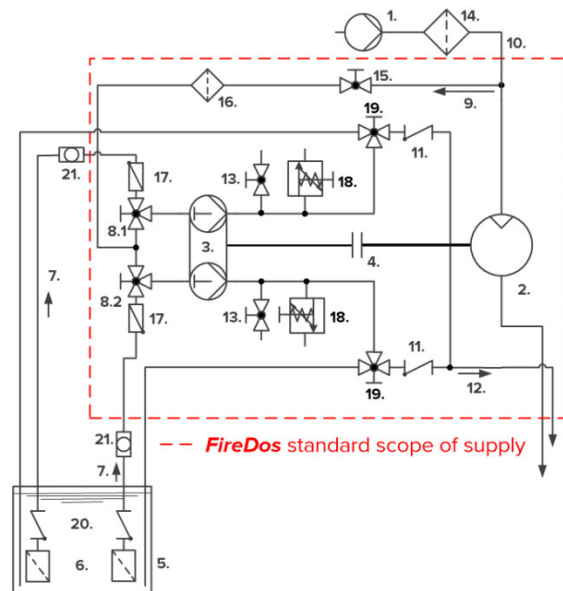
	Freshwater version	Seawater version
Water motor	Aluminium casting G-AlSi7Mg HC-coated, AlMgSi1 anodised, stainless steel V2A, POM, PVDF, NBR, FPM	Bronze casting CuSn10, stainless steel V4A, aluminium bronze, POM, PVDF, NBR, FPM
Prop. pump	Stainless steel V4A, POM, FPM, ceramics, aluminium bronze	Stainless steel V4A, POM, FPM, ceramics, aluminium bronze
Pipework	Stainless steel V2A and V4A, PTFE, FPM, nickel-plated brass	Stainless steel V4A, PTFE, FPM

■ 4. FLOW DIAGRAM WITH RETURN LINE CONNECTION.

Proportioning rate 0.5% / 1% / 3% or 6%



Proportioning rate 3% + 3%

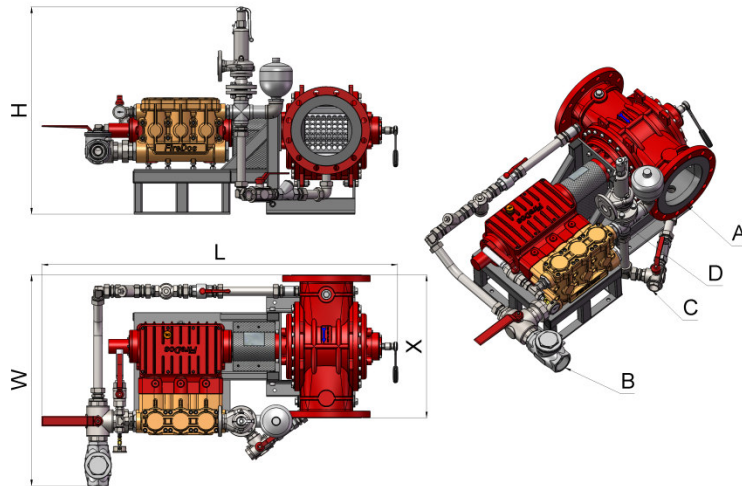


1. Extinguishing water supply
2. Water motor
3. Proportioning pump
4. Coupling
5. Foam agent supply
6. Foot filter
7. Suction line
8. 3-way ball valve "Flushing/Priming"
- 8.1 "Flushing/Priming" pump head I
- 8.2 "Flushing/Priming" pump head II
9. Flushing line
10. Extinguishing water line

11. Check valve in the proportioning line
12. Pressure/proportioning line
13. Air bleed valve
14. Filter in the extinguishing water line
15. Gate valve in the flushing line
16. Filter in the flushing line
17. Non-return flap in the suction line
18. Pressure-relief valve
19. 3-way ball valve "Admixing/Returning"
20. Foot valve*
21. Ventilation/Filling of the suction line*

*) Necessary only with a non-constant course of the suction line

5. EXAMPLE FIGURE / DIMENSIONS.



Proportioning rate	0.5%	1%	3%	6%	3% + 3%
Connection water motor A	Optionally: Flange acc. to DIN 2633, DN250 PN16 Flange acc. to ANSI B16.5, 10"-150 lbs/in ² Flange acc. to JIS B2220 20K-250				
Connection suction line B ⁶					
Pump generation I	-	2" FT BSP	3" FT BSP	-	-
Pump generation II	1¼" FT BSP	2" FT BSP	3" FT BSP	Flange DN100	2x 3" FT BSP
Connection return line C	1" FT BSP	1" FT BSP	1½" FT BSP	Flange DN65	2x 1½" FT BSP
Connection pressure-relief valve D	¾" FT BSP	¾" FT BSP	Flange DN40	Flange DN65	2x Flange DN40
Length L ⁷	1320 mm	1425 mm	1765 mm	2403 mm	1800 mm
Height H ⁷	572 mm	572 mm	1015 mm	1150 mm	826 mm
Width W ⁷	610 mm	805 mm	993 mm	1500 mm	1298 mm
Installation length in the pipework X	700 mm				

All figures are approximate only and depend on the particular version/equipment options.

6) We will be pleased to advise you on which pump generation to use for your purpose.

7) Further accessories to the proportioner may require more installation space.

Please allow sufficient accessibility of the proportioner for maintenance work.

6. MANUFACTURER.

FireDos GmbH, Auf der Kaulbahn 6, 61200 Wölfersheim, Germany
Phone +49 (0) 6036 9796-0, Email: info@firedos.de

We reserve the right to make modifications at any time.