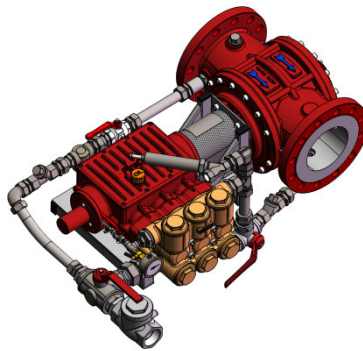


■ DATA SHEET PROPORTIONER FD4000 FOR STATIONARY EXTINGUISHING SYSTEMS.



■ 1. TECHNICAL DATA.

Proportioning rate	0.5%	1%	3%	6%	3% + 3%
Approvals	-	FM 3039305 ¹		-	-
	-	VdS G4060029 ¹		-	-
	DNV-GL TAF00000GK ²				
Flow directions of water motor	Horizontal: "left → right" or "right → left" Vertical: "top → bottom" or "bottom → top"				
Min. water flow rate ³	300 l/min	400 l/min	500 l/min	600 l/min	600 l/min
Min. water flow rate ³ with flow reduction	100 l/min	140 l/min	170 l/min	200 l/min	200 l/min
Max. water flow rate	4000 l/min				
Operating temperature	5 °C – 50 °C				
Max. operating pressure	16 bar				
Weight ⁴					
Freshwater version	75 kg	80 kg	138 kg	160 kg	200 kg
Seawater version	130 kg	135 kg	199 kg	225 kg	260 kg
ATEX classification (optional) ⁵	Ex CE II 2G IIC c T4 / II 2D IIIC c T<130°C				

1) Applies to pump generation I.

2) Applies to pump generation I and II.

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

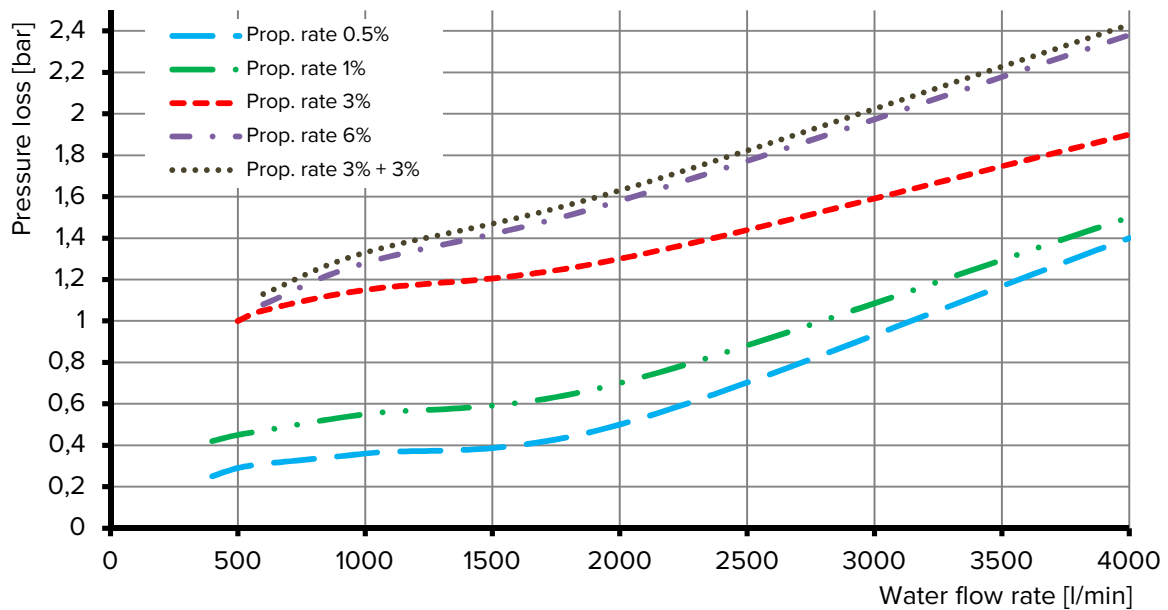
4) Weight indication is based upon a proportioner with a service crank. Further accessories installed at the proportioner will increase the specified weight. Weight indications do not consider extinguishing water or foam agent.

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.

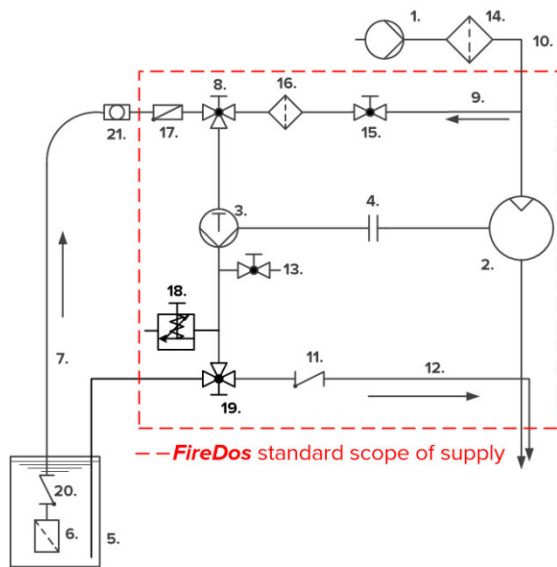


3. MATERIALS.

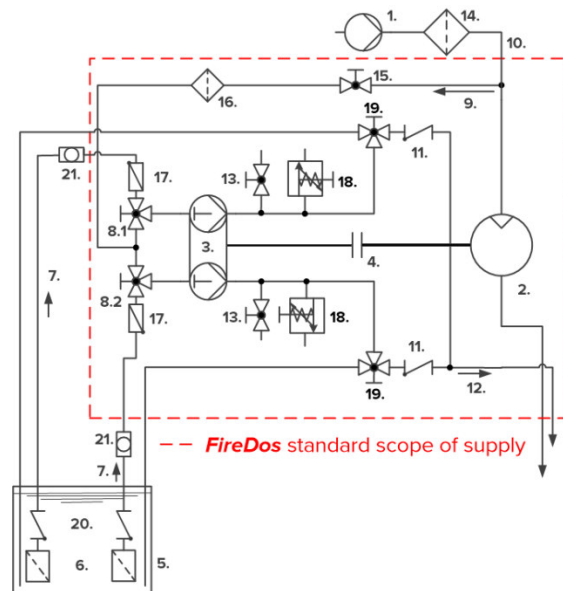
	Freshwater version	Seawater version
Water motor	Aluminium casting G-AlSi7Mg HC-coated, AlMgSi1 anodised, stainless steel V2A, POM, PVDF, NBR, FPM	Bronze casting CuSn10, stainless steel V4A, aluminium bronze, POM, PVDF, NBR, FPM
Prop. pump	Stainless steel V4A, POM, FPM, ceramics, aluminium bronze	Stainless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

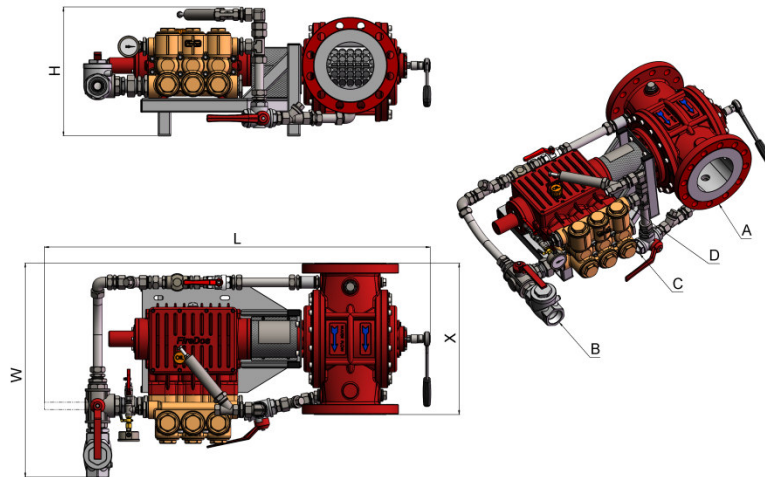


1. Extinguishing water supply
2. Water motor
3. Proportioning pump
4. Coupling
5. Foam agent supply
6. Foot filter
7. Suction line
8. 3-way ball valve "Flushing/Priming"
- 8.1 "Flushing/Priming" pump head I
- 8.2 "Flushing/Priming" pump head II
9. Flushing line
10. Extinguishing water line

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, DN150 PN16 Flange acc. to ANSI B16.5, 6"-150 lbs/in ² Flange acc. to JIS B2220 20K-150				
Connection suction line B ⁶					
Pump generation I	1/2" FT BSP	1/2" FT BSP	2" FT BSP	-	-
Pump generation II	1/2" FT BSP	1/2" FT BSP	2 1/2" FT BSP	3" FT BSP	2x 2 1/2" FT BSP
Connection return line C	1" FT BSP	1" FT BSP	1" FT BSP	1/2" FT BSP	2x 1" FT BSP
Connection pressure-relief valve D	3/4" FT BSP	3/4" FT BSP	3/4" FT BSP	1" FT BSP	2x 3/4" FT BSP
Length L ⁷	1000 mm	1000 mm	1230 mm	1380 mm	1380 mm
Height H ⁷	340 mm	360 mm	410 mm	440 mm	700 mm
Width W ⁷	540 mm	540 mm	610 mm	610 mm	750 mm
Installation length in the pipework X	480 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.