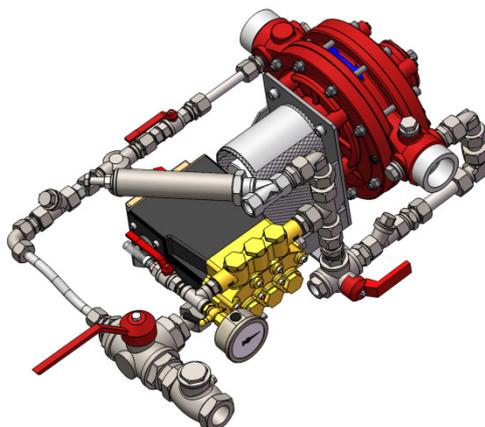


■ DATA SHEET PROPORTIONER FD500 FOR STATIONARY EXTINGUISHING SYSTEMS.



■ 1. TECHNICAL DATA.

Proportioning rate	0.5%	1%	3%	6%
Approvals	-	FM 3039305 ¹		-
	-	VdS G410026 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	60 l/min	60 l/min	60 l/min	70 l/min
Max. water flow rate	500 l/min			
Operating temperature	5 °C – 50 °C			
Max. operating pressure	16 bar			
Weight ⁴				
Freshwater version	23 kg	24 kg	29 kg	38 kg
Seawater version	38 kg	40 kg	44 kg	60 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.

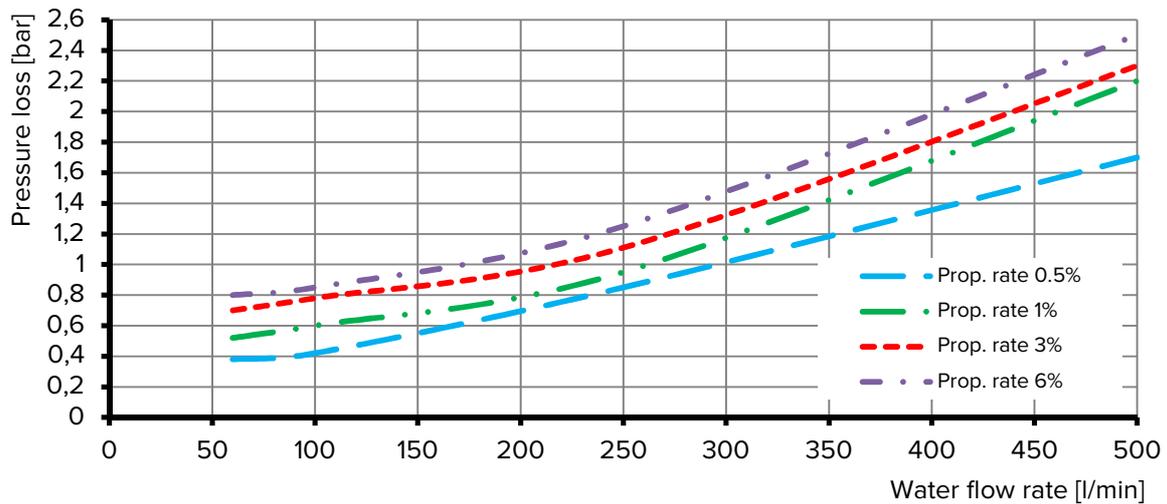
4) Weight indication is based upon a proportioner with a service crank. Further accessories installed at the proportioner will increase the specified weight. Weight indications do not consider extinguishing water or foam agent.

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.

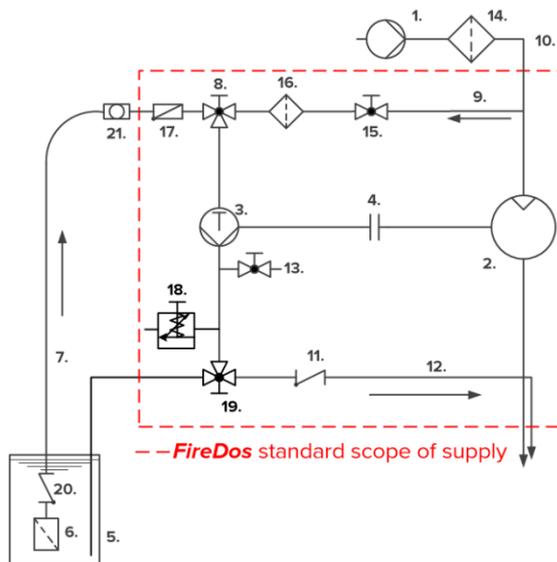


3. MATERIALS.

	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.

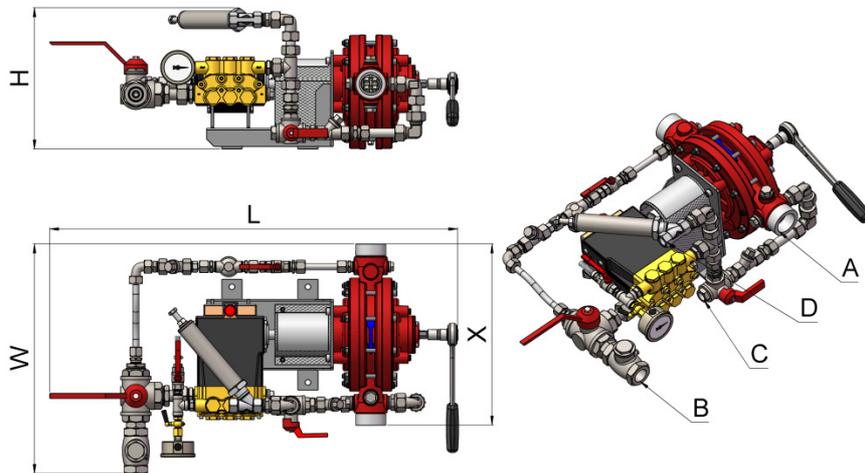
Proportioning rate 0.5% / 1% / 3% or 6%



- | | |
|--|--|
| 1. Extinguishing water supply | 11. Check valve in the proportioning line |
| 2. Water motor | 12. Pressure/proportioning line |
| 3. Proportioning pump | 13. Air bleed valve |
| 4. Coupling | 14. Filter in the extinguishing water line |
| 5. Foam agent supply | 15. Gate valve in the flushing line |
| 6. Foot filter | 16. Filter in the flushing line |
| 7. Suction line | 17. Non-return flap in the suction line |
| 8. 3-way ball valve "Flushing/Priming" | 18. Pressure-relief valve |
| 9. Flushing line | 19. 3-way ball valve "Admixing/Returning" |
| 10. Extinguishing water line | 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%
Connection water motor A	OPTL: Thread 2" male thread BSP, 1 1/2" female thread BSP (standard) Flange acc. to DIN 2566, DN50 PN16 Flange acc. to ANSI B16.5, 2"-150 lbs/in ² Flange acc. to JIS B2220 20K-50			
Connection suction line B⁶				
Pump generation I	1/2" FT BSP	1/2" FT BSP	1" FT BSP	1" FT BSP
Pump generation II	-	-	-	-
Connection return line C	3/8" FT BSP	3/8" FT BSP	1/2" FT BSP	1/2" FT BSP
Connection pressure-relief valve D	1/2" FT BSP	1/2" FT BSP	1/2" FT BSP	1/2" FT BSP
Length L⁷	710 mm	677 mm	775 mm	801 mm
Height H⁷	230 mm	242 mm	274 mm	289 mm
Width W⁷	410 mm	369 mm	423 mm	463 mm
Installation length in the pipework X	Thread 360 mm Threaded flange acc. to DIN 370 mm Threaded flange acc. to ANSI 366 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.