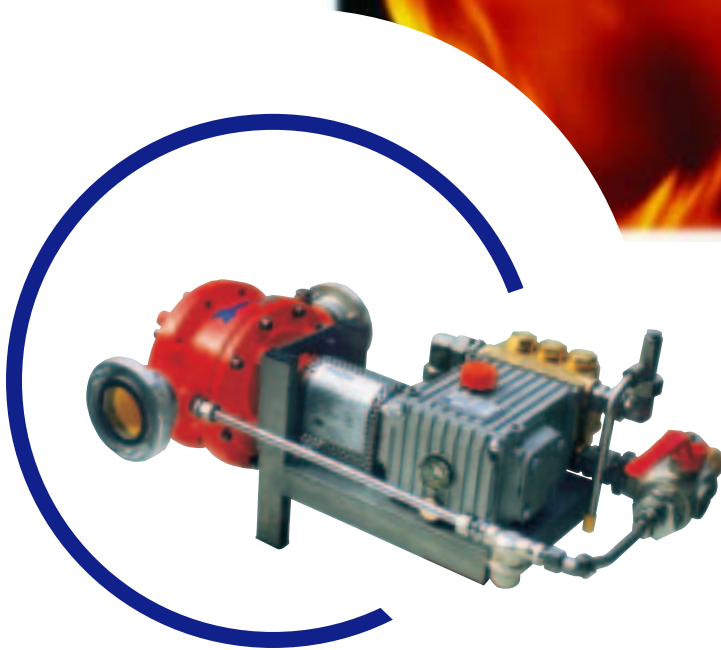


Effective Fire-Fighting with our FireDos[®]



Dosing-systems for dosing of
foaming agents and other
chemicals for fire-fighting

easy to install and operate

powered by water flow only

retrofitting into existing plants possible

wide ranges of flows and dosing ratios covered

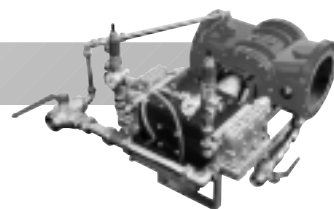
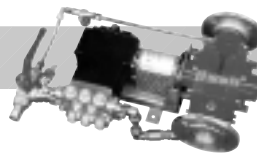
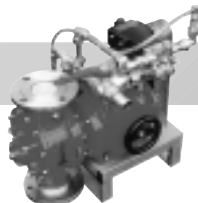
sea-water proof versions for off-shore applications

dosing ratio fixed, step by step or continuously adjustable

versions for mobile, stationary or demountable installations

can apply all common foam-liquids and fire-fighting chemicals

dosing is flow proportional, this means it is independent from variations in flow and pressure



General Information

FireDos is a solid mechanical dosing system which is powered by the water flow only. Besides a low water pressure no further energy source such as electricity is required.

Easy Handling

The FireDos only needs to be connected to the water supply and to the chemical to be dosed. The mixing ratio is fixed or can be adjusted step-by-step or continuously. Besides refilling the chemical container and cleaning the FireDos from time to time no further maintenance is necessary.

Modular Design

The FireDos basically consists of hydraulic actuation and a dosing pump. For low flow volumes the piston principle apply (figure 1), for higher flow volumes the rotation principle (figure 2). Therefore a flow range of 1 l/min up to 10.000 l/min can be covered. Depending on whether precise adjustment, continuous dosing flow, or high dosing concentration are required, different principles for the dosing pump are available (see below).

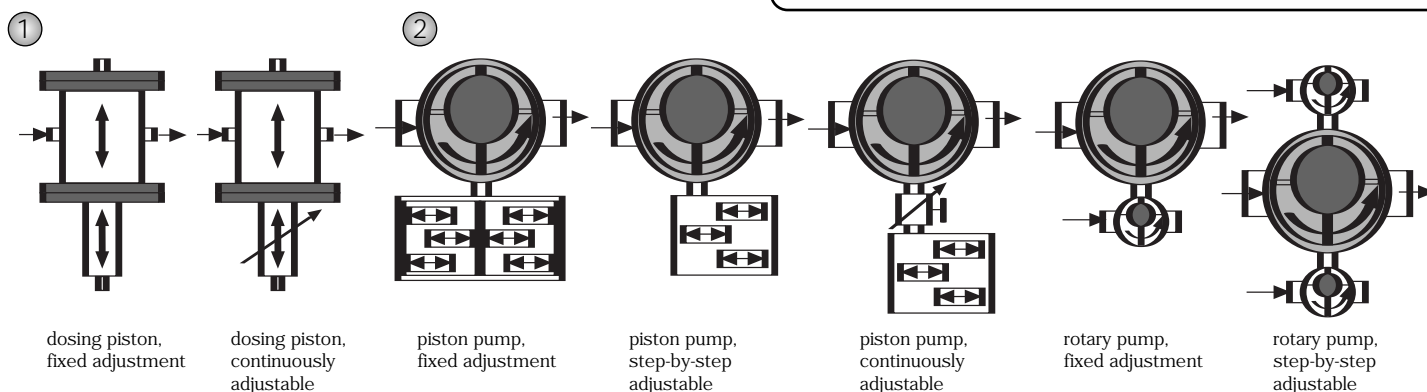
Flexible Use

FireDos can be used as a mobile, demountable or as fixed installation in fire fighting trucks or in sprinkler systems. The integration into existing systems is easily. A surge tank is not needed. With FireDos the water storage tank or booster pump will not come into contact with the fire fighting chemicals. All common types of spray-nozzles and chemicals (including high viscous foam liquids) can be used with FireDos.

Special Circumstances

For over 10 years we have been producing dosing systems for applications that require a particular technical performance or chemical resistance, for example off-shore installations. For this type of installation we are able to supply dosing systems made from bronze, aluminium-bronze and stainless steel.

distributor



Technical Data

Max. flow rates	130 l/min., 200 l/min. (version ① piston principle) 250 l/min., 500 l/min., 1.000 l/min., 1.600 l/min., 2.500 l/min., 4.000 l/min., 6.000 l/min., 8.000 l/min., 10.000 l/min. (version ② rotation principle)
Dosing ratios	with fixed adjustment: 0,3%, 0,5%, 1%, 2%, 3%, 6% with step-by-step adjustment: 0,15 + 0,3%, 0,25 + 0,5%, 0,5 + 1%, 0,7 + 1,4 + 2%, 1 + 2 + 3%, 2 + 4 + 6%, 1 + 2 + 3 + 4 + 5 + 6% with continuous adjustment: 0,01...0,1%, 0,1...1%, 0,1...3%, 0,3...3%, 0,2...6%, 0,6...6%
Max. working pressure	max. flow rate 130...200 l/min.: standard version = 10 bar, special version = 16 bar max. flow rate 250...10.000 l/min.: standard version = 16 bar, special version = 25 + 40 bar
Max. pressure loss	depending on type of FireDos 1,5 - 2,0 bar
Max. working temperature	standard version = ca. 50°C, special version = 80°C
Materials	stainless steel, aluminium-bronze, POM, PVDF, Viton, bronze for use in the off-shore applications

other dosing feeders and systems on request • we reserve the right to make technical modifications without prior notice

MSR[®] Dosiertechnik GmbH

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