HAWK clean and coat news

Durban (Head Office): (031) 274-8555 **Johannesburg:** (011) 387-8960

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Product in Focus

New range of Low Pressure Piston Pumps

Very soon we will have a small range of 45 bar piston pumps, bare as well as coupled to petrol engines and electric motors for use in pest control and fire fighting applications. An initial small shipment should arrive by the end of April, and will be tested for quality and reliability.

Model	:	FST-18B
Volume	:	9-14 l/min
Pressure	:	21-45 bar
Power	:	1.5kW
Plunger Dia.	:	18mm

Model	:	FST-22AG
Volume	:	14-22 l/min
Pressure	:	21-45 bar
Plunger Dia.	:	22mm
Weight	:	9kg

Model	:	FST-22H
Volume	:	14-22 l/min
Pressure	:	21-45 bar
Power	:	2.2kW
Plunger Dia.	:	22mm

Information on Hawk Pump Seals

Hawk pump packings are made up by two identical seals for each ceramic plunger, the first one provides high pressure sealing while the second one provides low pressure sealing to channel any water escaping from the high pressure seal back into the pump's suction manifold.

The seals are made of Nitrile Rubber (NBR) reinforced with cotton fibers and other materials and are produced by the world's leading manufacturers.

The maximum suggested water temperature is 65°C, above which cavitation will occur in the manifold. Below this temperature, the seals' life should be hundreds of operation hours. From experience, one of the most common causes premature failure of seals is cavitation.

If the pump has difficulty in sucking water due to poor water feed or restrictions that cause inlet pressure reduction, the pump will have a tendency to make more noise than usual, to vibrate and pulse, and may also damage the connecting rods.

This is extremely bad for seals and could cause fast destruction of the seals' lips due to mechanical/hydraulic action. In this case the wear will be clear and visible as removal of entire sections of the lips of the seals.

It is also important to point out that a high temperature (70°C) causes difficulty for the pump to suck water properly thus increasing the possibility of cavitation with subsequent premature seals wear as described above.

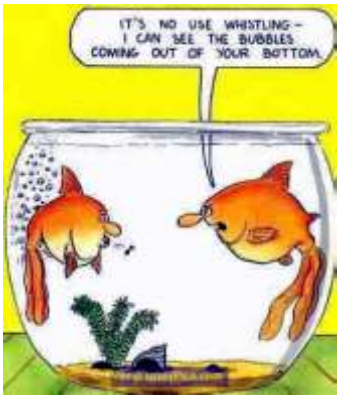
If it is not possible to avoid pumping water higher than 70°C, make sure to use as few restrictions (elbows, tees, reducers) as possible in order to ensure proper feeding of the pump and increase the pressure of the feed to at least 3 bar and use both inlet ports on the manifold for water suction.

Pumping high temperature water will result in more frequent maintenance/replacement of seals and shorter seal life should be expected.

Meet our staff

Charlotte has joined us in Johannesburg as a "Girl Friday". She will take a lot of the stress off Amina's shoulders. Her happy and helpful personality will fit in well with the image we wish to project. A warm welcome to her.

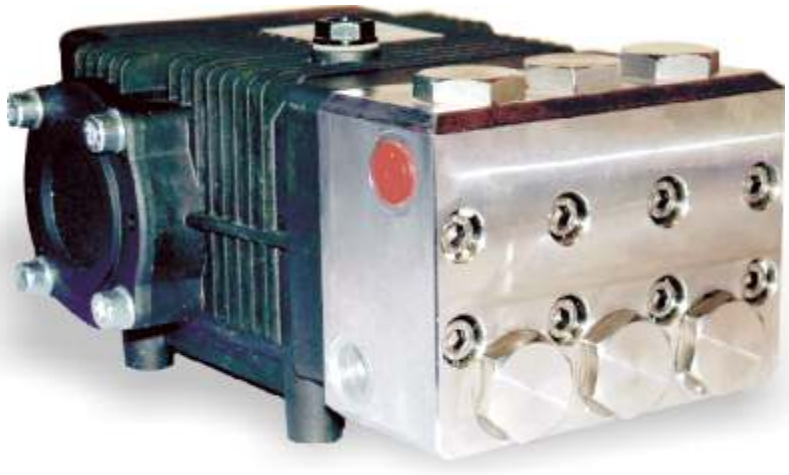
Humor



" I f we all did the things we are capable of, we would astound ourselves"

Versatile, durable and affordable pumping equipment

ES Series INOX AISI 316 SS



Model	L/min	Bar	Shaft	rpm	Kw	Inlet	Outlet	Kg
ES125IL/IR	12.5	150	24 mm	1450	3.5	G 1/2"	G 3/8"	11.4
ES15IL/IR	15.0	150	24 mm	1450	4.2	G 1/2"	G 3/8"	11.4
ES18IL/IR	18.0	150	24 mm	1450	5.1	G 1/2"	G 3/8"	11.4
ES21IL/IR	21.0	150	24 mm	1450	5.9	G 1/2"	G 3/8"	11.4

Unique Guarantee

Precision engineering and the use of high quality materials have enabled Hawk in South Africa to give a comprehensive Guarantee to cover their products. A full one year's warranty covers the workmanship and materials against defects, while they are also covered by a unique spares guarantee. Should the required Hawk pump or accessory spare part not be available within 24 hours because of a out-of-stock situation, they will be airfreighted from the factory, and fitted, free of charge.

Available From:

Durban (Head Office)
336 Sydney Road Durban,4000 Phone: (031) 274-8555

Johannesburg
98 Newton Road, Meadowdale, 1401.
Phone: (011) 387-8960

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