

MicroDrop[®]

General Additional datasheet to Nessie Pumps type PAH 2/4/6.3, 10/12.5, 25/32 and PAH 50/63/70/80, 521B0542
The pump is especially designed for applications where the requirements are high flow, small and compact dimensions and high reliability.

Typically applications

Fire fighting installations

Specifications

Ordering Code number	180B0076
-----------------------------	----------

PAH pump	Size	100
Geometric displacement	cm ³ /rev	100
Max. cont. pressure	bar	120
Max. int. pressure	bar	140
Max. peak pressure	bar	160
Max. pressure pulsations	% of outlet pressure	>1,5%
Max. speed cont. ¹⁾	Rpm.	1800
Min. speed cont.	Rpm.	700
Max. flow at 1500 rpm.	l/min	140
Max. flow at 1800 rpm. ¹⁾	l/min	170
Min. fluid temperature	°C	3
Max. fluid temperature	°C	50
Service intervals	Hours	500
Fluid	Drinking water (tap water)	
House material	Stainless steel	AISI 304
Weight	Kg	31
Min. inlet pressure (NPSHR)	Bar (atm)	0
Max. inlet pressure (NPSHR)	Bar (atm)	4
Filtration	Abs. β ₁₀ value = 10.000	25μ

¹⁾When operating the pump at shaft speeds <1500rpm the pump needs to be boosted (NPSHR) by 2 to 4 bar (atm) to avoid cavitation.

Dimensions The pump is designed with the same outer dimensions as the standard PAH 50 to PAH 80 pumps. Illustrated at drawing page 12 data sheet 521B0542.

Options The pump is available with electric motor on request.