



Pall Corporation

HNP074 Series

FLUID CONDITIONING PURIFIER

70 L/min • Fluid viscosities to 700cSt

Reliability of systems, the service life of system components and fluids are extended by minimising water contamination. The Pall HNP074 Purifier is designed to remove water from fluids thereby maintaining lubricity properties, minimising fluid oxidation and reducing aeration.

Benefits of Pall HNP074 Purifier

- High performance water and gas removal
- Simple operation
- Extension of system fluid life
- Increased equipment reliability
- Minimised corrosion within systems
- Reduced fluid disposal
- **Reduced operating costs**



The Pall HNP074 Fluid Conditioning Purifier



Pall HNP074 Fluid Conditioning Purifier

Pall purifiers remove 100% of free water and in excess 80% of dissolved water. They also remove 100% of free and entrained gases and in excess of 80% of dissolved gases.

The Pall HNP074 fluid conditioning purifier can be used as a fixed installation or portable unit that is easily removed and connected to any fluid system.

This purifier design is based on the existing range of Pall fluid conditioning products, it allows for easy operation and control.

Automated controls, integral to the unit constantly monitor the operation of the purifier and will safely shutdown the unit if acceptable limits are exceeded.

Specifications

Dimensions:	680x1997x1580mm (26.8"x78.6"x62.2")
Dry mass:	390kg (860 lbs)
Inlet connections:	2" BSPP or 2" NPT
Outlet connections:	1½" BSPP or 1½" NPT
Flow rate:	70 L/min (18.5 US gpm) at 50 Hz 84 L/min (22.2 US gpm) at 60 Hz
Inlet pressure:	3.0 bar g (300 kPa / 44 psig) maximum
System back pressure:	4.35 bar g (435 kPa / 63.4 psig) maximum
Fluid operating temperature:	+10°C to +70°C (50°F to 158°F)
Fluid viscosity:	700 cSt (3300 SUS) maximum
Operating vacuum:	-0.6 to -0.8 barg [adjustable]
Power supply:	400VAC, 50Hz or 480VAC, 60 Hz
Total Motor power:	6.4kW @ 50Hz / 8.5kW @ 60Hz

Ordering Information

* Refer to installation drawing for options.

Purifier Part No:

Replacement Element Part No:

Replacement Air Breather Element:

Table 1. Voltage

Code	Voltage
M	220 VAC
S	400 VAC
U	440 VAC
W	480 VAC

Table 2. Frequency

Code	Frequency
3	50Hz Ø3
4	60Hz Ø3

Table 3. Element Rating









Code	Rating (µm) (β _{x(c)} ≥1000)**
AZ	2.5
AP	5
AN	7
AS	12
AT	22

** Beta ratios are designated using the symbol (c) to signify they were measured using the ISO16889 procedure.

Materials of Construction

Base frame:	Epoxy painted carbon steel
Vacuum vessel:	304 Stainless Steel
Fittings & fasteners:	Corrosion protected carbon steel
Control box:	Epoxy painted carbon steel
Hoses:	Nitrile or Chlorinated polyethylene
Seals:	Nitrile or Fluorocarbon

Note: Pall fluid conditioning purifiers comply with all relevant EC directives and bears the CE mark.

HNP074	     0 *
UE619	  

HC0293SEE5

Table 4. Seal Type

Code	Material
H	Nitrile
Z	Fluorocarbon

Table 5. Mounting Options

Code	Mounting	Outlet Filter length (in)	Connections
C	Mobile	20"	BSPP
N	Static	20"	BSPP
A	Mobile	40"	BSPP
B	Static	40"	BSPP
X	Mobile	20"	NPT
Y	Static	20"	NPT
V	Mobile	40"	NPT
W	Static	40"	NPT

Table 6. Element length

Code	Nominal Length (in)
20	20
40	40



Pall Corporation


Pall Industrial Manufacturing
Portsmouth - **UK/Europe**
+44 (0)23 9230 3303 telephone
+44 (0)23 9230 2507 fax

Pall Industrial Manufacturing
New York - **USA**
+1 516 484 3600 telephone
+1 516 625 3825 fax

Visit us on the web at www.pall.com

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

Because of developments in technology these data or procedures may be subject to change. Consequently we advise users to review their continuing validity annually. Part numbers quoted above are protected by the Copyright of Pall Europe Limited.

 and Pall are trade marks of Pall Corporation. Filtration. Separation. Solution. is a service mark of Pall Corporation. © indicates a trade mark registered in the USA. ©2005, Pall Europe Limited.