

HPA Series

Mini Pressure Filters

Max 33 l/min - 280 bar



Global Filtration Technology

Mini Pressure Filters

HPA Series

TYPICAL APPLICATIONS

- Low Flow Servo Systems
- Pilot Lines
- Small Mobile Equipment
- Lubrication Systems
- High Pressure Water Systems

The Parker Filtration HPA Series Mini Pressure Filters.

Small and easy to install, the Mini Pressure Filter is a robust solution to the low flow applications that larger filters are unable to effectively handle.

Made from high strength brass stampings and supplied with a wide range of media options, reliable, high efficiency protection is the result of using the Mini Pressure Filter.



Alternative head mounting. For details please contact Parker Filtration.

TYPICAL APPLICATIONS



Photographs courtesy of Nifty Lift Ltd.



The machine pictured is the "Compact 40" precinct sweeper from the Johnston Compact range of self propelled suction sweepers. Photograph courtesy of Johnston Engineering Ltd.

SPECIFICATION

Construction:

Brass stampings

Max. working pressure:

280 bar

Working temperature:

-30°C to +90°C

Thread:

G¹/₄ and G³/₈

Filtration media:

Microglass III; see Table A

10µ, 25µ, 40µ, 80µ and 125µ (nominal) stainless steel

Seals:

Nitrile/Nitrile composite

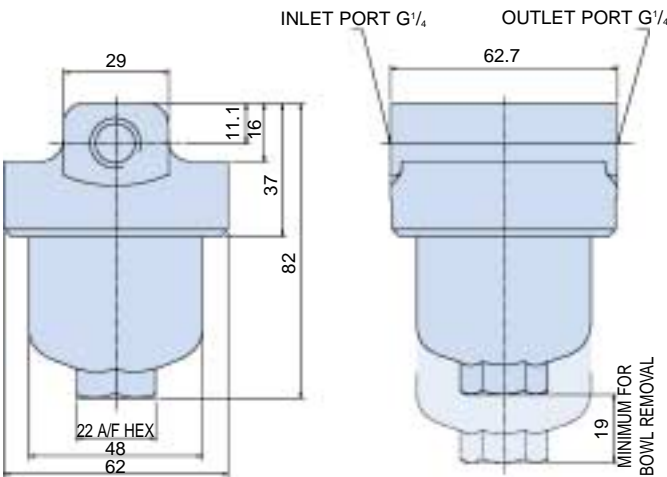
Weight:

Length 1: 0.88 Kg

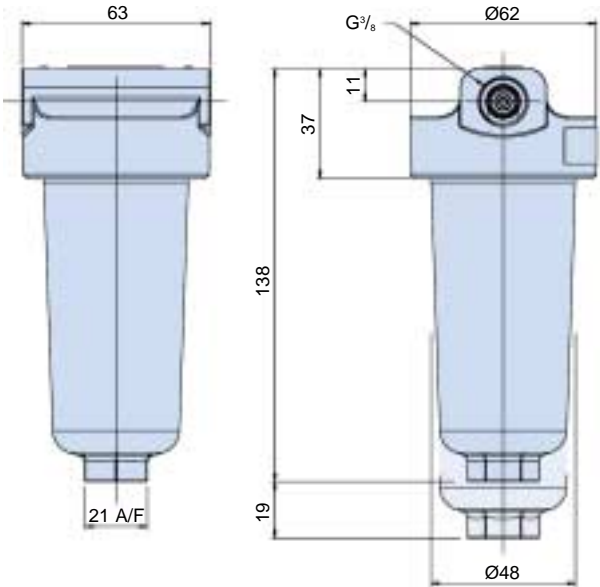
Length 2: 1.2 Kg

INSTALLATION DETAILS (FOR NEW HEAD DETAILS CONSULT PARKER FILTRATION)

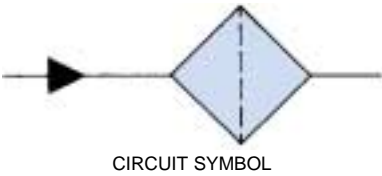
Length 1



Length 2



Note: For Length 1 and Length 2 filter housing and element media pressure drop against flow curves consult Parker Filtration.



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PREFERRED PRODUCTS TABLE

Length 1 G¹/₄ Port No by-pass

Part Number	Description		Supersedes	Replacement Element
HPA.1219.100	2μ Absolute pressure filter	Consult Parker Filtration for flow specifications	–	HPR.1219
HPA.1319.100	3μ Absolute pressure filter		–	HPR.1319
HPA.1419.100	5μ Absolute pressure filter		–	HPR.1419
HPA.1519.100	10μ Absolute pressure filter		–	HPR.1519
HPA.1619.100	25μ Absolute pressure filter		HP.1229.10	HPR.1619
HPA.1719.100	40μ Absolute pressure filter		HP.1229.25	HPR.1719
HPA.1819.100	80μ Absolute pressure filter		HP.1229.40	HPR.1819
HPA.1919.100	125μ Nominal pressure filter		HP.1229.125	HPR.1919

Note: Length 1, 10 bar by-pass version available – contact Parker Filtration.

Length 2 G³/₈ Port, 5 bar by-pass

Part Number	Description		Replacement Element
HPA.2225.100	2μ Absolute pressure filter	Consult Parker Filtration for flow specifications	HPR.1229
HPA.2325.100	3μ Absolute pressure filter		HPR.1329
HPA.2425.100	5μ Absolute pressure filter		HPR.1429
HPA.2525.100	10μ Absolute pressure filter		HPR.1529
HPA.2625.100	25μ Absolute pressure filter		HPR.1629
HPA.2725.100	40μ Absolute pressure filter		HPR.1729
HPA.2825.100	80μ Absolute pressure filter		HPR.1829
HPA.2925.100	125μ Absolute pressure filter		HPR.1929

Table A

Degree of Filtration						
Average filtration Beta Ratio (ISO 16889) / particle size μm(c)						CODE
2	10	75	100	200	1000	
N/A	N/A	N/A	N/A	N/A	4.5	2
N/A	N/A	4.5	5.0	6.0	7.0	5
N/A	6.0	8.5	8.0	10.0	12.0	10

Product Update Bulletin

Mini Pressure HPA Series



From the 1st of August 2008 the HPA assembly length 1 will only be available with a cross head with the standard two mounting holes.

With this N2U we are confirming changes that were originally announced by N2U in 2003. The old head design will be made obsolete from the 1st of August 2008.

The additional mounting holes on the new design filter head ensure that when installed the filter mounting is secure and rigid.

The HPA Series is available in two sizes:

Length 1 has a new filter head with G1/4 port connection.

Length 2 will use the existing filter head with mounting holes and G3/8 port connection.

The table below shows the new part numbers that should be used when ordering HPA series length 1.

Length	HPA Assemblies	Superseded by	Remarks
1	HPA.1211.100	HPA4211100	New part no.
1	HPA.1219.100	HPA4219100	New part no.
1	HPA.1319.100	HPA4319100	New part no.
1	HPA.1419.100	HPA4419100	New part no.
1	HPA.1515.100	HPA4515100	New part no.
1	HPA.1519.100	HPA4519100	New part no.
1	HPA.1611.100	HPA4611100	New part no.
1	HPA.1615.100	HPA4615100	New part no.
1	HPA.1619.100	HPA4619100	New part no.
1	HPA.1719.100	HPA4719100	New part no.
1	HPA.1819.100	HPA4819100	New part no.
1	HPA.1911.100	HPA4911100	New part no.
1	HPA.1919.100	HPA4919100	New part no.

Old Head Design



New Head Design



Parker Filtration Divisions (globally) provide a comprehensive range of filtration solutions for your application. These include; hydraulic filtration, condition monitoring systems, engine fuel, oil, air and coolant filtration.

If you require additional and specific information relating to this bulletin or any of the Parker Filtration Products, please use the contact information below.

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