

Wainbee's Quick Picks: Hydraulic & Lube Filtration

Hand Picked. Delivered Quick.



Quick Deliveries

CORE Products Delivered from Stock

Common Configurations Offered

Hand Picked by In-house Technical Experts



Des-Case Standard Series Breathers

DC-1, DC-2, DC-3, DC-4



Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.



MATERIALS & COMPONENTS:

- **Housing:** Polycarbonate, Nylon 6/6 30% Glass Filled, Polypropylene
- **Seals (Miniature):** Buna-N, EPDM, PVC
- **Seals (Standard):** Buna-N, PVC
- **Filter Media:** Polyurethane, Polyester
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels.

(Contact Wainbee for chemical compatibility inquiries)



¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-1	DC-2	DC-3	DC-4
Unit Height (in / mm)	5.36 / 136	6.00 / 152	8.00 / 203	10.00 / 254
Unit Diameter (in / mm)	2.52 / 64	4.10 / 104	4.10 / 104	4.10 / 104
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"
Temperature Range	-20°F to 200°F (-29°C to 93°C)			
Filter Efficiency	3 µm absolute			
Amount of Desiccant	.3 lbs (127 g)	.8 lbs (365 g)	1.4 lbs (643 g)	2.0 lbs (913 g)
Water Adsorption Capacity (Maximum Water Retention)	1.7 fl oz (50 ml)	5 fl oz (142 ml)	9 fl oz (251 ml)	12 fl oz (356 ml)
Color Indication	Blue to Pink			
²Application Sizing Recommendations				
Max. Airflow at ΔP 1 psi [.07 bar]	4 cfm (113 l/min)	16 cfm (453 l/min)	16 cfm (453 l/min)	16 cfm (453 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	31 gpm (118 l/min)	120 gpm (453 l/min)	120 gpm (453 l/min)	120 gpm (453 l/min)
Gearbox, Pump & Storage Tank	35 gal (132 L)	200 gal (757 L)	350 gal (1325 L)	500 gal (1893 L)
Hydraulic & Central Lube Reservoir	5 gal (19 L)	60 gal (227 L)	100 gal (379 L)	200 gal (757 L)

¹NOTE: Small variations in the manufacturing process can be common and will be within the allowable engineering tolerances.

²NOTE: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of air flow, ambient temperatures, and chemical compatibility are very important in sizing a breather properly. Larger applications and special circumstances typically require the most thorough analysis. Please contact Wainbee for assistance in sizing a breather.

Des-Case VentGuard™ Series Breathers

DC-VG-BB, DC-VG-1, DC-VG-2, DC-VG-3, DC-VG-4



VentGuard™ breathers have check-valve technology that isolates the system and only 'breathes' when necessary, making them an ideal solution to protect low-flow applications with intermittent operations. Check valves provide slight system pressurization that allows for controlled breathing without excessive pressure build-up.



MATERIALS & COMPONENTS:

- **Housing:** Polycarbonate, Nylon 6/6 30% Glass Filled, Polypropylene
- **Seals & Valves (Miniature):** Buna-N, EPDM, PVC, Silicone
- **Seals & Valves (Standard):** Buna-N, PVC, Silicone
- **Filter Media:** Polyurethane, Polyester
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels.

(Contact Wainbee for chemical compatibility inquiries)



¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-VG-BB	DC-VG-1	DC-VG-2	DC-VG-3	DC-VG-4
Unit Height (in / mm)	3.87 / 98	5.36 / 136	6.00 / 152	8.00 / 203	10.00 / 254
Unit Diameter (in / mm)	2.52 / 64	2.52 / 64	4.10 / 104	4.10 / 104	4.10 / 104
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"	3/8" Multi-Fit (NPT, BSPP, BSPT)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"
Temperature Range	-20°F to 200°F (-29°C to 93°C)				
Filter Efficiency	3 µm absolute				
Check Valve Cracking Pressure	.1 psi (.007 bar)				
Amount of Desiccant	.1 lbs (59 g)	.3 lbs (127 g)	.8 lbs (365 g)	1.4 lbs (643 g)	2.0 lbs (913 g)
Water Adsorption Capacity (Maximum Water Retention)	.8 fl oz (23 ml)	1.7 fl oz (50 ml)	5 fl oz (142 ml)	9 fl oz (251 ml)	12 fl oz (356 ml)
Color Indication	Blue to Pink				
²Application Sizing Recommendations					
Max. Airflow at ΔP 1 psi [.07 bar]	1 cfm (141 l/min)	1 cfm (113 l/min)	12 cfm (453 l/min)	11 cfm (453 l/min)	11 cfm (453 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	11 gpm (41 l/min)	11 gpm (41 l/min)	90 gpm (340 l/min)	82 gpm (311 l/min)	75 gpm (283 l/min)
Gearbox, Pump & Storage Tank	15 gal (57 L)	35 gal (132 L)	200 gal (757 L)	350 gal (1325 L)	500 gal (1893 L)
Hydraulic & Central Lube Reservoir	2 gal (8 L)	5 gal (19 L)	60 gal (227 L)	100 gal (379 L)	200 gal (757 L)

¹NOTE: Small variations in the manufacturing process can be common and will be within the allowable engineering tolerances.

²NOTE: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of air flow, ambient temperatures, and chemical compatibility are very important in sizing a breather properly. Larger applications and special circumstances typically require the most thorough analysis. Please contact Wainbee for assistance in sizing a breather.

Des-Case Extended® Series Desiccant Breathers

DC-EX-1, DC-EX-2, DC-EX-3, DC-EX-4



Extended Series® desiccant breathers combine the trusted materials and design of our Standard breathers with the check-valves of our VentGuard™ and HydroGuard® breathers, plus a new oil mist reducing feature, higher air flows and more than double the desiccant! These high airflow, long-lasting desiccant breathers are ideal for tank farms and large or remote applications.



MATERIALS & COMPONENTS:

- **Housing:** Nylon 6/6 30% Glass Filled, Polycarbonate, Polypropylene, Silicone
- **Seals:** Buna-N, EPDM, PVC
- **Filter Media:** Polyester, Polyurethane
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels.

(Contact Wainbee for chemical compatibility inquiries)



¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-EX-1	DC-EX-2	DC-EX-3	DC-EX-4
Unit Height (in / mm)	5.36 / 136	6.00 / 152	8.00 / 203	10.00 / 254
Unit Diameter (in / mm)	2.52 / 64	4.10 / 104	4.10 / 104	4.10 / 104
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"
Temperature Range	-20°F to 200°F (-29°C to 93°C)			
Filter Efficiency	3 µm absolute			
Check Valve Cracking Pressure	.1 psi (.007 bar)			
Amount of Desiccant	1.2 lbs (544 g)	2.2 lbs (998 g)	3.2 lbs (1452 g)	4.2 lbs (1905 g)
Water Adsorption Capacity (Maximum Water Retention)	7.7 fl oz (228 ml)	14.1 fl oz (417 ml)	20.5 fl oz (606 ml)	27.0 fl oz (798 ml)
Color Indication	Blue to Pink			
² Application Sizing Recommendations				
Max. Airflow at ΔP 1 psi [.07 bar]	27 cfm (765 l/min)	26 cfm (736 l/min)	25 cfm (708 l/min)	24 cfm (680 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	202 gpm (765 l/min)	195 gpm (736 l/min)	187 gpm (708 l/min)	180 gpm (680 l/min)
Gearbox, Pump & Storage Tank	400 gal (1514 L)	600 gal (2271 L) 8	800 gal (3028 L)	1000 gal (3785 L)
Hydraulic & Central Lube Reservoir	100 gal (379 L)	200 gal (757 L)	300 gal (1136 L)	400 gal (1514 L)

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Des-Case HydroGuard® Breathers

DC-HG-1, DC-HG-8



HydroGuard® breathers uniquely feature an expansion chamber and internal check valves that create a nearly-sealed system. Designed specifically for steady-state operations with minimal temperature fluctuations, these breathers provide excellent protection in continuous duty applications.



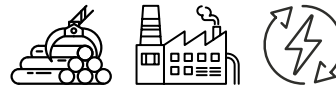
MATERIALS & COMPONENTS:

- **Housing:** Nylon 6/6 30% Glass Filled, Polycarbonate, Polypropylene, Silicone
- **Seals ((DC-HG-1):** Buna-N, EPDM, PVC
- **Seals (DC-HG-8):** Buna-N, PVC
- **Filter Media:** Polyester, Polyurethane
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels.

(Contact Wainbee for chemical compatibility inquiries)



¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-HG-1	DC-HG-8
Unit Height (in / mm)	7.19 / 182	9.73 / 247
Unit Diameter (in / mm)	2.52 / 64	4.10 / 104
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"	1" Multi-Fit (NPT, BSPP, BSPT)"
Temperature Range	-20°F to 200°F (-29°C to 93°C)	
Filter Efficiency	3 µm absolute	
Check Valve Cracking Pressure	.1 psi (.007 bar)	
Amount of Desiccant	.3 lbs (127 g)	.8 lbs (365 g)
Water Adsorption Capacity (Maximum Water Retention)	2 fl oz (50 ml)	5 fl oz (144 ml)
Color Indication	Blue to Pink	
²Application Sizing Recommendations		
Max. Airflow at ΔP 1 psi [.07 bar]	1 cfm (40 l/min)	14 cfm (396 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	11 gpm (40 l/min)	87 gpm (396 l/min)
Gearbox, Pump & Storage Tank	50 gal (189 L)	400 gal (1514 L)
Hydraulic & Central Lube Reservoir	N/A	55 gal (208 L)

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Des-Case Extreme Duty

DC-XD-6



Extreme Duty (XD) desiccant breather has excellent vibration and impact resistance, can withstand broad temperature ranges, has expansive chemical compatibility, and features quality check valve technology while still accommodating higher air flow. The Extreme Duty breather also has the best filter efficiency of any Des-Case breather—down to 0.3 μ absolute ($\beta_{0.3} \geq 200$).



MATERIALS & COMPONENTS:

- **Housing:** Aluminum, Polycarbonate/Polybutylene Terephthalate (PC/PBT), Polycarbonate, Silicone
- **Seal:** LDPE
- **Filter Media:** ePTFE, Polyester, Polyurethane
- **Hydrophilic Media:** Silica Gel

CHEMICAL COMPATIBILITY:

Compatible with all mineral oils, most synthetic oils and diesel fuels.

(Contact Wainbee for chemical compatibility inquiries)



¹PERFORMANCE SPECIFICATIONS:

Product Code	DC-XD-6
Unit Height (in / mm)	6.5 / 165
Unit Diameter (in / mm)	5.1 / 129.5
Connection Size	1 1/2" x 16 UN female thread
Temperature Range	-40 °F to 300 °F (-40 °C to 149 °C)
Filter Efficiency	3 μ m absolute
Check Valve Cracking Pressure	.1 psi (.007 bar)
Amount of Desiccant	1.8 lbs (794 g)
Water Adsorption Capacity (Maximum Water Retention)	10.7 fl oz (315 ml)
Color Indication	Blue to Pink
²Application Sizing Recommendations	
Max. Airflow at ΔP 1 psi [.07 bar]	16 cfm (456 l/min)
Max Reservoir Fluid Flow or Displacement at ΔP 1 psi [.07 bar]	120 gpm (456 l/min)
Gearbox, Pump & Storage Tank	500 gal (1893 L)
Hydraulic & Central Lube Reservoir	200 gal (757 L)

¹NOTE: Small variations in the manufacturing process can be common and will be within the allowable engineering tolerances.

²NOTE: This is intended as a general guideline for sizing only; other considerations, such as: humidity level, frequency of air flow, ambient temperatures, and chemical compatibility are very important in sizing a breather properly. Larger applications and special circumstances typically require the most thorough analysis. Please contact Wainbee for assistance in sizing a breather

Des-Case Fluid Handling Accessories

Filter Cart & Replacement Elements



Filter Cart | #FC05EB1BAB1004

A portable, offline filtration system that's ideal for mineral based industrial fluids and a wide range of applications (5 gpm, 6 and 3 micron, ISO B coupling)



WHERE IT'S USED:

- Decontaminating systems
- Flushing new or repaired systems
- Dispensing oil
- Pre-filtering new oil
- Evacuating used oil
- Topping off reservoirs
- Collecting oil samples for analysis

WHAT IS STANDARD?

- Automatic pressure relief valve
- Dual-stage filtration
- 12' hose assemblies with various quick connect options
- Pneumatic wheels for easy mobility
- Industrial powder-coated paint
- Heavy-duty cart with oil catch pan
- One-year warranty

PERFORMANCE:

For filtering mineral-based industrial oils and most synthetic oils with a maximum operating viscosity range of ISO VG 680 (3000ssu/648cSt) at 100°F/38°C within ambient temperature ranges of -15°F to 150°F (-26°C to 66°C)

MATERIALS:

- Frame: Carbon steel
- Paint: Industrial powder coat
- Filter Heads: Aluminum
- Fittings: Zinc-plated steel and/or brass
- Pumps: Aluminum/steel
- Hoses: Clear PVC with steel wire or hydraulic hose
- Gaskets: Buna-N

FILTER INDICATORS : Filter indicator pops at 22psid (1.55bar) as warning that filter elements need to be replaced

PUMP RELIEF: Opens at 65psi

WEIGHT: Approximately 100-150lbs (will vary depending on options selected)

DIMENSIONS: 18.8"L x 21.5"W x 46.4"H

Replacement Elements

SPIN-ON FILTER ELEMENTS						
			µm Rating for Beta Value - ISO 16889			
	Micron Rating	Part #	$\beta_{x(c)} \geq 75$ 98.7% Efficiency	$\beta_{x(c)} \geq 200$ 99.5% Efficiency	$\beta_{x(c)} \geq 1000$ 99.9% Efficiency	Dirt Holding lbs. (g)
	2.5µm	FC-EF DC-S10000S08ABU	<2	<2	2.5	0.19 (88.00)
8"	5µm	FC-AF DC-S10000S08BBU	3.1	3.8	5	0.15 (68.03)
	7µm	FC-BF DC-S10000S08CBU	5	5.7	7	0.16 (72.57)
	12µm	FC-CF DC-S10000S08EBU	8.3	9.7	12	0.13 (58.96)
	22µm	FC-DF DC-S10000S08FBU	15.8	18.2	22	0.18 (81.64)

WATER REMOVAL FILTER ELEMENTS	
Type	Part #
8"	FC-JF DC-S10000W08FBU

NOTE: Other micron sizes available upon request.
Media area: Large element is 1273in² and small element is 700in².
Weight: Large element is 3lbs and small element is 2lbs.

Des-Case Fluid Handling Accessories

Drum Adapter Kit



Drum Adapter Kit | DAB1000V22

Protect and filter your drums right as they enter your plant and during storage with the easy-to-use drum adapter kit.

THE KEY BENEFITS:

- Prohibits entry of dirt and moisture
- Allows for easy equipment adaptation and quick connection to a filtration system
- Allows for customization

FEATURES:

- Replaceable breather with color-indicating desiccant
- Quick connect plugs
- Sample valve
- 2" male NPT connection size
- Customizable colors



Drum Adapter Kit, DAB1000V22	
Drain & Fill Connector Type	ISO B Connector
Drain & Fill Sizing	Drain: 1" connection Fill: ¾" connection
Sample Valve	None
Sample Tube Length	None
Breather Filter [†]	3-micron particulate desiccant hybrid breather; 0-200 gallons; 18.75gpm [DC-VG-2]
Colour	Black

[†]Considerations such as humidity level, frequency, and maximum amount of air flow, ambient temperatures, gallons of lubricant, and chemical compatibility are very important in sizing a desiccant breather properly. Call Wainbee for assistance in sizing the appropriate breather for your application

Des-Case Fluid Handling Accessories

Hydraulic Adapter Kit



Hydraulic Adapter Kit | HAB112000E22

Hydraulic adapters keep water and particulate contamination out of your system during operations and during fluid transfer.

THE KEY BENEFITS:

- Allows for easy equipment adaptation and quick connection to a filtration system
- Prohibits entry of dirt and moisture
- Allows for customization



FEATURES:

- Replaceable breather with colorindicating desiccant
- Quick connect plugs
- Single-position vacuum indicator
- Sample valve
- 6-hole flange connection size
- Customizable colors

Hydraulic Adapter Kit, HAB112000E22	
Drain & Fill Connector Type	ISO B Connector
Drain & Fill Sizing	Drain: 1" connection Fill: ¾" connection
Fill Tube Length	12 inches
Sample Valve	None
Sample Tube Length	None
Breather Filter†	3-micron particulate desiccant breather; 0-200 gallons; 120gpm [DC-2]
Colour	Black

†Considerations such as humidity level, frequency, and maximum amount of air flow, ambient temperatures, gallons of lubricant, and chemical compatibility are very important in sizing a desiccant breather properly. Call Wainbee for assistance in sizing the appropriate breather for your application

Parker Filtration

Medium Pressure Filters & Replacement Elements



Medium Pressure In-Line Filter | CS Series

#12CS205QEBMLKS121

The 12CS series is an environmentally friendly alternative for spin-on filters, making use of replaceable coreless Ecoglass elements. Lightweight, non-metallic element that can be incinerated.

- 12CS features a Parker quality, replaceable coreless Ecoglass III element
- Re-usable bowl design for easy element removal
- Maximum pressure 35 bar, maximum flow 75 l/min (20 gpm)
- An eco filter solution for hydraulic systems



Specifications

PRESSURE RATINGS:

Maximum Allowable
Operating Pressure (MAOP): 35 bar (500 psi)
Fatigue: 27.6 bar (400 psi), 1,000,000 cycles: 27.6 bar
Design Safety Factor: 2.5:1

OPERATING TEMPERATURES:

Buna: -40°C to 107°C

ELEMENT COLLAPSE RATING:

10.3 bar (150 psid)

ELEMENT CONDITION INDICATORS:

For predictive maintenance, 3 types of indicator are available:
An electrical analogue or switch type indicator or a battery operated visual LED indicator.

MATERIALS:

Head: die cast aluminium
Bypass valve: nylon with steel spring
Filter element: fibreglass & polyester with nylon endcaps
Bowl: steel
Permanent core: steel

WEIGHTS (APPROXIMATE):

12CS-2..... 1.4 kg (3lbs.)

Replacement Element | Medium Pressure Filter | CS Series

#940764Q

The Parker 12CS/50CS Coreless Medium Pressure Spin-On Filter Series are the Smart Alternative to Spin-on Cans! An environmentally friendly solution that is engineered with the latest in Microglass technology and economical.



Parker Filtration

Medium Pressure Filters & Replacement Elements



Medium Pressure In-Line Filter | CN Series #40CN210QEBM2KS244

The CN Series is a compact, cost effective, medium pressure filter designed with coreless filtration technology. CN Series bowl features a permanently fixed core designed to reduce solid waste and minimize disposal costs with every element change out. Excellent performance value from a globally proven, reliable medium pressure filter.

- CN utilizes a cast aluminium head and bowl
- Excellent fatigue pressure ratings
- Maximum pressure 70 bar, maximum flow 300 l/min (80 gpm)
An economic 'multi-purpose' filter solution

Specifications

PRESSURE RATINGS:

Max. allowable operating pressure: 70 bar
Rated fatigue pressure: 56 bar

CONNECTIONS: BSPF(G): 11/4", 11/2"
SAE: 16, 24
ISO 6149: M33

FILTER HOUSING:

Head material aluminium
Bowl material hard anodized aluminium

SEAL MATERIAL:

Nitrile or fluoroelastomer

OPERATING TEMPERATURE RANGE:

Seal material Nitrile: -40°C to +100°C
Seal material Fluoroelastomer: -20°C to +120°C

BYPASS VALVE & INDICATOR SETTINGS:

Bypass: 1.7 bar. Indicator 1.2 bar | Bypass: 3.5 bar. Indicator 2.5 bar



FILTER ELEMENT:

DEGREE OF FILTRATION:

Determined by Multipass-test according to ISO 16889

FLOW FATIGUE CHARACTERISTICS:

Filter media is supported so that the optimal fatigue life is achieved (ISO 3724)

MICROGLASS III (BY REQUEST):

Supported with epoxy coated metal wire mesh, end cap material reinforced composite and metal inner core, Collapse rating 20 bar (ISO 2941).

ECOGLASS III:

Supported with plastic net, end cap material reinforced composite. No metal parts. Collapse rating 10 bar (ISO 2941), Filter element can only be used together with bowl including Eco-adaptor. Note: Ecoglass III contributes to ISO 14001 quality

PAR-GEL:

Water removal media absorbent copolymer laminate media with ability to remove free water from mineral based and synthetic fluids available for 40CN and 80CN

INDICATOR OPTIONS:

- visual M3. - electrical T1
- electronic F1(PNP). - electronic F2(NPN)

WEIGHTS (KG):

Model: 40 CN | Length 1: 2.0 | Length 2: 2.5
Fluid compatibility: Suitable for use with mineral and vegetable oils, and some synthetic oils
(For other fluids, please consult Wainbee)

Replacement Element | Medium Pressure Filter | CN Series #936601Q

CN series filters can be offered with two types of element:

- The conventional element, making use of the Microglass media and in some sizes also available with ParGelWater removal media.
- The Ecoglass element, an environmentally friendly design without metal inner core. The Eco elements are used in versions of the CN filter with an Eco inner core fixed permanently inside the bowl of the filter. Having no metal content in the element reduces the overall weight with 50% and makes it possible to dispose of the used element in an environmentally friendly way by incineration, also lowering disposal costs.



Parker Filtration

High Pressure Filter & Replacement Element



High Pressure In-Line Filter | WPF Series

#WPF305QEVM2KS161

The new industry standard in high pressure hydraulic filtration incorporating advanced features designed to improve system reliability. Allowable operating pressure of 7000 PSI/483 Bar and capable of flows up to 50 gpm/190 lpm depending on viscosity.

- High strength ductile iron filter head with integral indicator port
- Forged steel bowl with standard drain port
- Ecoglass, non-metallic design reduces disposal costs due to minimum mass and oil retention – making it environmentally friendly
- Proprietary SurgeGuard element endcap assembly includes bypass and reverse flow valves for element component performance integrity with improved flow fatigue resistance
- Reliable high performance, quick response design incorporates integrated bypass and reverse flow valve technology
- Patented flexible tangs secure element in bowl for easy, fast, safe, and clean removal
- Coreless element assembly
- Element removal clearance – Benchmarked best-in-class against major competitors
- Re-usable element support core
- Patented valves with low hysteresis and low friction creating optimum performance



Specifications

MAXIMUM ALLOWABLE OPERATING PRESSURE (MAOP):

7000 psi (483 bar)

RATED FATIGUE PRESSURE:

6000 psi (414 bar)

DESIGN SAFETY FACTOR:

3:1

OPERATING TEMPERATURES:

-15°F (-26°C) to 250°F (135°C)

ELEMENT COLLAPSE RATING:

Standard: 300 psi (21 bar)

HIGH COLLAPSE:

2000 psi (138 bar)

MATERIALS:

Head: SG Iron

Bowl: Steel

Indicator: Stainless Steel with

Plastic Connectors

WEIGHT:

WPF3 21 lbs. (9.5 kg)

Replacement Element | High Pressure Filter | WPF Series

#941037Q

Parker engineers have developed what soon will be the industry standard in high pressure hydraulic filtration. The 7,000 psi WPF series incorporates many advanced features designed for one reason: to improve your bottom line.



Parker Filtration

Portable Filtration System & Replacement Element



Portable Filtration System | Guardian®

#GT410Q1

The Guardian portable filtration system is a unique pump/motor/filter combination designed for conditioning and transferring petroleum-based and water emulsion fluids. It protects your system from contamination added with new fluid because new fluid is not necessarily clean fluid.

Most new fluids right out of the drum are unfit for use due to high initial concentrations of contaminants. Contamination may be added to a new fluid during processing, mixing, handling, and storage.



Specifications

MAXIMUM ALLOWABLE OPERATING PRESSURE (MAOP): 50 psi (3.4 bar)

FLOW CAPACITY:
Up to 4 gpm (15 lpm)

MAXIMUM RECOMMENDED FLUID VISCOSITY:
(.85 specific gravity)
110-120 VAC and 220-240 VAC - 16,000 SUS
24 VDC - 11,000 SUS

WARNING:
Explosion hazard. Do not pump flammable liquids such as gasoline, alcohol, solvents, etc.

AMBIENT OPERATING TEMPERATURE:
-15°F to 104°F (-26°C to 40°C)

FLUID OPERATING TEMPERATURE:
-15°F to 120°F (-26°C to 49°C)

VISUAL INDICATOR:
Differential pressure type,
set at 25 psid (1.7 bar)

RECOMMENDED FLUIDS:
Petroleum based oils, water emulsions, and diesel fuels

INTEGRAL RELIEF VALVE:
Set at 50 psi (3.4 bar) for motor protection

NOISE LEVEL: <70db at 3 ft

ELECTRICAL MOTOR:
¼ hp@2500 rpm
24 VDC; 10A max
110-120 VAC; 50/60 Hz; 3A max
220-240 VAC; 50/60 Hz; 1.5A max
Thermal overload protected, Replaceable brushes (500 hours)

WEIGHT: Approximately 24 lbs (10.8 kg)

MATERIALS:
Housing - cast aluminum
Cover - die cast aluminum
Handle and Indicator - nylon
Wands and Hose - PVC
Fittings - brass
Seals - fluorocarbon/carboxylated nitrile

Replacement Element - Portable Filtration System | Guardian®

#932017Q

Replacement Filter Element, 10 Microns, Microglass III Filter Media, Max. Flow GPM 4, Fluorocarbon Seal, For Use With 6F582, Package Quantity 2



Suction Strainers (Aluminium End Cap, Without Bypass Valve)

Designed as in-tank suction strainer elements for direct installation into suction lines of pumps; should always be installed below the minimum fluid level of the reservoir.



FEATURES

- Available with female NPT thread (ANSI B1.20.1)
- Operating temperature range: -20 °C ... +100 °C / -4 °F ... +212 °F

MEDIA COMPATIBILITY

- Suitable for use with Mineral and Petroleum based hydraulic fluids (HL and HLP)

MATERIALS

- Threaded end cap made of Aluminium
- Lower end cap and support tube made of Steel, zinc-plated
- Filter material made of Stainless Steel Mesh (125 µm); alternative micron ratings of 60 µm and 250 µm on request

Dimensions and Technical Data (Female NPT Threaded Version)

Part #	Thread T	Dimension (mm/in)				Filter Surface	Max. Flow Rate
		ØD1	ØD2	L	Hex		
SUS068N12105125AO	3/4 NPT	68 / 2.68	66 / 2.60	105 / 4.13	34 / 1.34	676 cm ² / 105 in ²	25 l/min / 6.5USGPM
SUS068N16140125AO	1 NPT	68 / 2.68	66 / 2.60	140 / 5.51	42 / 1.65	930 cm ² / 144 in ²	50 l/min / 13.0USGPM
SUS088N20195125AO	1-1/4 NPT	88 / 3.46	85 / 3.35	195 / 7.68	60 / 2.36	1709 cm ² / 265 in ²	65 l/min / 16.9 USGPM
SUS088N24226125AO	1-1/2 NPT	88 / 3.46	85 / 3.35	226 / 8.90	60 / 2.36	2012 cm ² / 312 in ²	140 l/min / 36.4USGPM
SUS088N32260125AO	2 NPT	88 / 3.46	85 / 3.35	260 / 10.24	70 / 2.76	2344 cm ² / 363 in ²	230 l/min / 59.8USGPM
SUS150N40213125AO	2-1/2 NPT	150 / 5.91	145 / 5.71	213 / 8.39	90 / 3.54	2741 cm ² / 425 in ²	340 l/min / 88.4 USGPM
SUS150N48272125AO	3 NPT	150 / 5.91	145 / 5.71	272 / 10.71	100 / 3.94	3625 cm ² / 562 in ²	400 l/min / 104 USGPM