



COMPRESSED AIR TREATMENT
REDEFINED



FBP HL
FOOD BEV PHARMA

Parker Zander FBP - Food Beverage and Pharma.
Innovative engineering and technology.

Combining sophisticated OIL-X filtration technology with an optimised drying system, the FDA approved FBP is designed to deliver consistent high performance over an extended period. It also offers class 0 for total oil and is FDA Title 21 CFR approved. Air quality is third-party validated to ISO 7183 and ISO 8573-1. So you can be completely confident of your compressed air quality.

ISO 8573-1
CLASS 0
AIR

The FBP is third party validated by Lloyds register to provide ISO 8573-1 Class 0, with respect to total oil from both oil lubricated and oil free compressors, ensuring the highest quality air at the point of use for critical applications.

- › **Energy Saving Technology**
Standard on all units, it automatically adapts dryer operation to the ambient inlet conditions and compressed air demand, ensuring optimum energy consumption and full utilisation of the desiccant material.
- › **HMI display screen**
Large screen display offering a wealth of clear, useable, real-time information.
- › **High strength desiccant**
Cartridges are snowstorm filled with high strength desiccant that has a 5-year lifetime, providing consistent drying, re-generation and dewpoint.
- › **Pre-mounted filters**
New series OIL-X filters engineered to provide validated ISO 8573-1 performance.
- › **Threaded top end-cap**
Threaded end-cap enables the straightforward replacement of the desiccant cartridge.
- › **Purge setting**
The purge air can be set at minimum operating pressure easily, without the need for specialist tools.
- › **Corrosion protected column**
With a 10-year guarantee, to ensure a long operational life.
- › **Full bore internal flow paths**
Featuring optimised flow management for reduced pressure drop.
- › **Full bore cylinder valve system**
Low pressure loss valves provide full air flow and minimal back pressure, whilst robust cylinders extend service intervals.
- › **Base plate**
Designed for pallet trucks, allowing for easy, time-saving installation.
- › **3rd party certified for user peace of mind**
FDA Title 21 CFR
EC 1935/2004 Exemption

CFP - Correction Factor Minimum Inlet Pressure

| Minimum Inlet Pressure | bar g | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | psi g | 58 | 73 | 87 | 100 | 116 | 131 | 145 | 160 | 174 | 189 | 203 | 218 | 232 |
| Correction Factor | | 1.60 | 1.33 | 1.14 | 1.00 | 0.89 | 0.80 | 0.73 | 0.67 | 0.62 | 0.57 | 0.53 | 0.50 | 0.47 |

CFD - Correction Factor Dewpoint

| Pressure Dewpoint | °C | -20 | -40 | -70 |
|-------------------|----|------|-----|------|
| | °F | -4 | -40 | -100 |
| Correction Factor | | 0.91 | 1 | 2.00 |

Technical Data

| Dryer Models | Min Operating Pressure | | Max Operating Pressure | | Min Operating Temperature | | Max Operating Temperature | | Max Ambient Temperature | | Electrical Supply (standard) | Electrical Supply (optional) | Filter Thread Connections | Noise Level dB(A) |
|--------------|------------------------|-------|------------------------|-------|---------------------------|----|---------------------------|-----|-------------------------|-----|------------------------------|------------------------------|---------------------------|----------------------|
| | bar g | psi g | bar g | psi g | °C | °F | °C | °F | °C | °F | | | | |
| FBP HL 50-85 | 4 | 58 | 16 | 232 | 5 | 41 | 50 | 122 | 55 | 131 | 85 - 265V 1ph 50/60Hz | 24V DC | BSPP or NPT | <75 |

OIL-X Pre-Mounted Filters

| Filtration Position | Inlet | Inlet | Outlet | Outlet |
|---|---------------------------------------|---|------------------|---------------------|
| Filtration Grade | Grade A0 | Grade AA | Grade A0 | Grade AA |
| Filtration Type | Coalescing | Coalescing | Dry Particulate | Dry Particulate |
| Particle Removal (inc water & oil aerosols) | Down to 1 micron | Down to 0.01 micron | Down to 1 micron | Down to 0.01 micron |
| Maximum Remaining Oil Content at 21°C | 0.5 mg/m ³ (0.5 ppm(w)) | 0.01 mg/m ³ (0.01 ppm(w)) | N/A | N/A |
| Filtration Efficiency | 99.925% | 99.9999% | 99.925% | 99.9999% |

Weight & Dimensions

| Model | Port Connection Inlet / Outlet | Dimensions | | | | | | Weight | | Inlet | | Outlet | |
|-----------|-----------------------------------|------------|-----|-----------|-----|-----------|------|--------|-----|--------------------------------------|--------------------------------------|--|--|
| | | Height (H) | | Width (W) | | Depth (D) | | kg | lbs | General Purpose Coalescing Filter | High Efficiency Coalescing Filter | General Purpose Dry Particulate Filter | High Efficiency Dry Particulate Filter |
| | | mm | ins | mm | ins | mm | ins | | | | | | |
| FBP HL 50 | ½" | 1133 | 45 | 559 | 22 | 512 | 20.2 | 90 | 198 | AOP015C | AAP015C | AOP015C | AAP015C |
| FBP HL 55 | ½" | 1313 | 52 | 559 | 22 | 512 | 20.2 | 97 | 214 | AOP015C | AAP015C | AOP015C | AAP015C |
| FBP HL 60 | ½" | 1510 | 59 | 559 | 22 | 496 | 19.5 | 106 | 234 | AOP020C | AAP020C | AOP020C | AAP020C |
| FBP HL 65 | ½" | 1660 | 65 | 559 | 22 | 496 | 19.5 | 112 | 247 | AOP020C | AAP020C | AOP020C | AAP020C |
| FBP HL 70 | ¾" | 2020 | 80 | 559 | 22 | 496 | 19.5 | 132 | 291 | AOP025D | AAP025D | AOP025D | AAP025D |
| FBP HL 75 | 1" | 1595 | 63 | 559 | 22 | 682 | 27 | 184 | 406 | AOP025E | AAP025E | AOP025E | AAP025E |
| FBP HL 80 | 1" | 1745 | 69 | 559 | 22 | 682 | 27 | 196 | 432 | AOP025E | AAP025E | AOP025E | AAP025E |
| FBP HL 85 | 1½" | 2105 | 83 | 559 | 22 | 682 | 27 | 232 | 511 | AOP030G | AAP030G | AOP030G | AAP030G |

Pressure Vessel Approvals

Developed and Manufactured to DIN EN ISO 9001, DIN EN ISO 14001.

Pressure vessel approved for fluid group 2 in accordance with the Pressure Equipment Directive 2014/68/EU and AS1210.

Approval to ASME VIII Div. 1 not required. For use with Compressed Air and Gaseous Nitrogen.

For more information please contact your local sales office or visit www.parker.com/gsf

Parker has a continuous policy of product development and although the company reserves the right to changes specifications, it attempts to keep customers informed of any alterations.

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