

The ultimate filtration & drying technology

Water Separators

Models | A30006WS to A31500WS

Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)

Integrating into Walker Filtration's compressed air filtration range, the Alpha Water Separator combines proven Alpha centrifugal technology with a new forward thinking housing design to deliver market leading water removal efficiencies – eliminating 99% bulk water with continuously low differential pressure.

The custom engineered centrifugal module features unique vanes to eliminate points of low efficiency, and a vortex arrestor to stop re-entrainment - ensuring minimal operating pressure loss and maintaining excellent liquid removal, even at low velocities.

No replacement components are required, making Walker Filtration's Water Separators a viable and cost effective solution for removing bulk water from compressed air.



Unique Centrifugal Module Removes 99% of bulk water even at low velocities



Externally Accessible Drain Valve
Eliminates the need to access
inside the water seperator housing
when servicing the drain



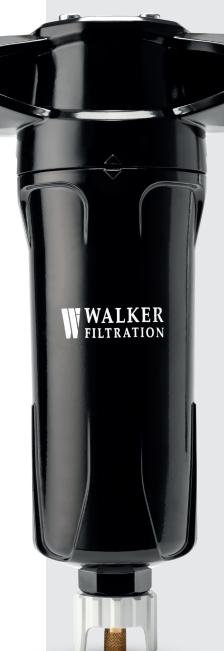
Modular Construction

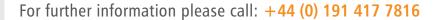
Low cost connecting kits and new
filter head design enables easy
close coupling assembly

- Energy Saving Water Separators operate with consistently low differential pressure reducing both energy consumption and operating costs
- Flexible Installation Modular design and accessible fixings enable simple close coupling assembly
- Cost Effective No replacement components required
- **Externally Accessible Drain Valve** Drain valve can be removed externally on larger models
- Product Safety in Mind Guaranteed safe housing closure with rotational safety stop
- Corrosion Protection Internal and external electrophoretic painting followed by a tough exterior polyester powder coating



Removes up to 99% of bulk water when tested in accordance with ISO 12500-4





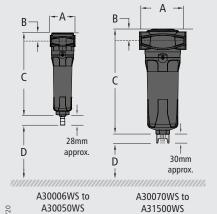


Technical Specification

| Filter model | Pipe size inches | Inlet flow rate* | | Dimensions mm | | | | Weight Ke |
|--------------|------------------|------------------|------|---------------|----|-----|-----|-----------|
| | | Nm³/hr | SCFM | А | В | С | D | Weight Kg |
| A30006WS | 1/8 | 10 | 6 | 50 | 17 | 157 | 60 | 0.3 |
| A30015WS | 1/4 | 25 | 15 | 50 | 17 | 157 | 60 | 0.3 |
| A30025WS | 1/4 | 42 | 25 | 70 | 23 | 231 | 70 | 0.6 |
| A30032WS | 3/8 | 54 | 35 | 70 | 23 | 231 | 70 | 0.6 |
| A30050WS | 1/2 | 85 | 50 | 70 | 23 | 231 | 70 | 0.6 |
| A30070WS | 1/2 | 119 | 70 | 127 | 32 | 285 | 80 | 1.7 |
| A30125WS | 3/4 | 212 | 125 | 127 | 32 | 285 | 80 | 1.7 |
| A30175WS | 1 | 297 | 175 | 127 | 32 | 285 | 80 | 1.7 |
| A30280WS | 11/4 | 476 | 280 | 140 | 41 | 476 | 85 | 3.0 |
| A30320WS | 11/2 | 544 | 320 | 140 | 41 | 476 | 85 | 3.0 |
| A30400WS | 11/2 | 680 | 400 | 170 | 53 | 508 | 100 | 4.9 |
| A30700WS | 2 | 1189 | 700 | 170 | 53 | 508 | 100 | 4.9 |
| A30850WS | 21/2 | 1444 | 850 | 220 | 70 | 420 | 100 | 8.0 |
| A31500WS | 3 | 2550 | 1500 | 220 | 70 | 420 | 100 | 8.0 |

^{*} Rated flow at 7 barg, reference conditions at 1 bar (a) 20°C

| Grade | ws | | |
|---|-----------|----------|--|
| Minimum recommended operating temperature - automatic drain | 1°C | 34°F | |
| Maximum recommended operating temperature - automatic drain | 80°C | 176°F | |
| Maximum working pressure - automatic drain | 16 barg | 232 psig | |
| Minimum recommended operating temperature - manual drain | 1°C | 34°F | |
| Maximum recommended operating temperature - manual drain | 120°C | 248°F | |
| Maximum working pressure - manual drain | 20.7 barg | 300 psig | |
| Typical pressure loss at rated flow | 55 mbar | 0.8 psig | |



Technical Notes

- Water Separators are fitted as standard with normally open float operated automatic drain valves, ADVS16 on models A30006WS to A30050WS and ADVSE16 on models A30070WS to A31500WS. Standard filters operate at 16 barg (232 psig) at 80°C (176°F). Normally closed automatic drain valves (ADVS16C) are available for low flow applications. A 20.7 barg (300 psig) range at 120°C (248°F) is available when supplied with a manual drain valve (MDV25 / MDVE25).
- 2. Connecting kits are required to connect Water Separators to models A30006 to A31500 see price guide.
- 3. Wall mounting brackets are available for all models see price guide.
- 4. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
- 5. For NPT threads, add the suffix N, e.g., A30070NWS, and for Rc threads add the suffix C, e.g. A30070CWS.











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