Parker | Balston

Davis Controls®

800-701-7460
www.daviscontrols.com

Compressed Air Filters

Coalescing Compressed Air Filters protect your equipment and delicate instruments from the dirt, water and oil usually found in compressed air. Balston filters remove these contaminants at an efficiency rate of 99.99% for 0.01 micron particles and droplets. Liquid is channelled from the filter cartridge to an automatic drain as rapidly as it enters the filter. This allows a Balston Coalescing Filter to continuously remove liquids for an unlimited time without loss of efficiency or flow capacity.

Product Features:

- Remove 99.99% oil, water and solids from compressed air and other gases
- Offer quick payback by eliminating costs associated with shutdown time, maintenance and rejected product
- Extremely long filter cartridge life
- Low pressure drop
- Services flow ranges from a few SCFM to over 86,000 SCFM
- Complete sizes range from 1/4″ to 16″ ports

Applications:

- Protect and increase the efficiency of desiccant and refrigerant air dryers
- Mainline filters remove oil and water at the source
- Smaller point-of-use filters protect sensitive instruments and pneumatic machinery from water, oil and particle contaminants

Membrane and PSA Air Dryers: Utilize innovative membrane technology to provide clean, dry, compressed air to dewpoints to -100°F (-73°C). This high efficiency, durable technology is quickly becoming the standard for drying compressed air. Balston Membrane Air Dryers require no electricity and contain no refrigerants or freons, making them environmentally sound.

Gas and Liquid Sample Filters: Protect analyzers from sample impurities by removing solids and liquids from gases with 99.99999+% efficiency at 0.01 micron or lower. Composed of borosilicate glass microfibers with a resin binder, Balston sample filters are inert to most any gas or liquid.

Vacuum Pump Exhaust and Inlet Filters: Vacuum Pump Exhaust Filters remove all visible oil mist from vacuum pump exhaust, even when it is saturated with oil. The high efficiency filter cartridge continuously drains the collected liquid, allowing the user to recover expensive, inert lubricating fluid and resulting in extremely long filter cartridge life. Filters are available for pumps with flow ranging from 3 to 850 cfm.

Inlet Filters: Vacuum Pump Inlet Filter housings are constructed of 304 stainless steel for hazardous/corrosive applications, low vacuum aluminum or steel housings are recommended.

High Flow Rate Compressed Gas Filters: Offer exceptionally high efficiency coalescing filtration of compressed gas at high flow rates. Specifically designed to remove suspended liquids and dirt from pipeline natural gas, the housings are ASME Code Stamped up to 1440 psig. Equipped with Balston Microfibre® Grade DX Disposable Filter Cartridges, the filters are rated at 93% retention of 0.01 micron liquid droplets and particles.

Filters for Hospital Industry: Steam filters for hospitals eliminate instrument staining, spotting, and rusting caused by wet or dirty steam. Wrapped articles emerge from the sterilizer cycle drier and cleaner. Filtering hospital steam also results in reduced contamination of sterilizer interiors which in turn cuts down on cleaning time. Maintenance of sterilizer steam control valves, door seals, and other rubber materials is also significantly minimized.

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Filters for Dryers for the Food Industry:

Steam Filters: Steam Filters are in full compliance with the requirements of the US Food, Drug, and Cosmetic Act. These filters may be used with steam, air, and other gases which directly contact food and food ingredients, including milk, alcoholic, and non-alcoholic liquids.

Sterile Air Filters: Stainless Steel Compressed Air Filter Assemblies safeguard your operations from rust, pipe scale, water, oil, and organisms usually found in compressed air. These filters will remove contaminants at a very high efficiency - up to 99.99% for 0.01 micron particles and droplets. Liquid releases from the filter cartridge to an automatic drain as rapidly as it enters the filter. This allows the filter to continue removing liquids for an unlimited time without loss of efficiency or flow capacity. The final stage of filtration removes all viable organisms with an efficiency rating of 99.9999+% at 0.01 micron. Select 1/4″ to 1″, line filters are constructed of 304 stainless steel and are designed to hold up to the harshest environments.

PSA Nitrogen Generators

Monobed and Dual Bed PSA Nitrogen Generators offer a less expensive, more efficient and reliable alternative to nitrogen gas cylinders, dewars and bulk tank nitrogen. Wherever there is a need for nitrogen, Balston Nitrogen Generation Systems are capable of providing it for one tenth to one half the cost of merchant nitrogen.

PSA Nitrogen Generators produce up to 99.999% pure, compressed nitrogen at dewpoints to -58°F (-50°C) from nearly any compressed air supply. The generators are designed to continually transform standard compressed air into nitrogen at safe, regulated pressures without operator attention.

PSA Nitrogen Generators completely eliminate the inconvenience and the high costs of nitrogen gas cylinders, dewars and bulk tank nitrogen. There is no need to depend on outside vendors for your nitrogen gas supplies. The hassles of changing dangerous, high pressure cylinders and interruption of gas supplies are completely eliminated. The Balston PSA Nitrogen Generators offer long term cost stability eliminating uncontrollable vendor price increases, contract negotiations, long term commitments and tank rentals.

Membrane Nitrogen Generators

Nitrogen Generation Systems offer a less expensive, more efficient and reliable alternative to nitrogen gas cylinders, dewars and bulk tank nitrogen. Balston Nitrogen Generation Systems utilize the most advanced hollow fiber membrane technology available.

Membrane Nitrogen Generation Systems produce up to 99% pure, commercially sterile nitrogen at dewpoints to -58°F (-50°C) from a compressed air supply. All systems include a 0.01 micron membrane filter which ensures the nitrogen is completely free of suspended impurities. For applications requiring monitoring and controlling, models HFXO Series include an oxygen monitor which offers LED readouts and remote alarms. An audible alarm signals high or low oxygen concentrations (determined by the application). The oxygen monitor is supplied with alarm relay outputs which may be used to signal a remote alarm or close the process flow.

Wine Maker Series: A nitrogen blanket reduces the oxygen concentration to less than 0.5% and minimizes contact between oxygen and the wine surface during storage (both pre and post bottling). This will prevent the growth of bacteria and other microbes. Nitrogen can also be used to purge air from pipes and hoses prior to bottling and to ensure oxygen is not introduced during transport. Finally, sparging with nitrogen will remove any oxygen or CO2 introduced during handling, helping to preserve wine integrity. A Parker nitrogen generator supplies a continuous stream of nitrogen to displace residual oxygen and fill the voids within the package, preserving taste and freshness and extending shelf life.

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