

Gas Purification/Management

Purifiers: *In-Line Purifiers (Remove a Single Contaminant)*

Molecular Sieve 5A Moisture Trap

Molecular Sieve 5A efficiently removes moisture and heavy hydrocarbons from compressed air, electrolytically produced hydrogen, house nitrogen, or other gases with high moisture or hydrocarbon content.

Dimensions:

- 200 cc Trap: 26 $\frac{1}{4}$ in. (67 cm) long x 1 in. (2.5 cm) diameter
- 750 cc Trap: 18 in. (45.7 cm) long x 2 $\frac{3}{8}$ in. (6 cm) diameter
- S-Trap: 7 $\frac{1}{2}$ in. (19 cm) long x 5 $\frac{9}{16}$ in. (14.1 cm) wide x $\frac{1}{2}$ in. (13 mm) diameter [total bed length: 19 $\frac{3}{4}$ in. (50.2 cm); the extended bed length ensures prolonged contact between the gas and the adsorbent and provides greater working capacity]



Top: 23991; Middle: 20619; Bottom: 503118

Description	Cat. No.	Qty
volume 200 cc, fitting $\frac{1}{8}$ in.	20619	1 ea
volume 200 cc, fitting $\frac{1}{4}$ in.	20618	1 ea
volume 750 cc, fitting $\frac{1}{4}$ in.	23991	1 ea
volume 750 cc, fitting $\frac{1}{2}$ in.	23992	1 ea
S-trap, fitting $\frac{1}{8}$ in.	503118	1 ea

Molecular Sieve 5A Water Vapor Trap Refill

Molecular Sieve 5A.

▶ volume 460 cc

20298

0.22 kg

Economy Moisture Trap

The clear polycarbonate tubes contains a mixture of Molecular Sieve 13X and Molecular Sieve 4A with indicating capability. Because room air may permeate through the polycarbonate tube, this trap should not be used with carrier gas streams. It is designed for pneumatic control to drive equipment, such as autosamplers and valves.

The indicating 4A changes from blue to tan at 20% relative humidity.

Note: Not for use with carrier gas streams.

Dimensions:

- 400 cc Traps: 17 $\frac{1}{2}$ in. (44.4 cm) long x 2 in. (51 mm) diameter



Top: Economy water vapor trap (23987); Bottom: Mounting clip (23990)

Description	Cat. No.	Qty
volume 400 cc, fitting $\frac{1}{8}$ in.	23987	1 ea
volume 400 cc, fitting $\frac{1}{4}$ in.	23988	1 ea

Economy Water Vapor Trap Refill

Blend of Molecular Sieve 13X and Molecular Sieve 4A with indicating capability.

23989

475 cc

Supelpure®-O Oxygen/Moisture Trap

The oxygen-removing catalysts can reduce oxygen to less than 2 ppb when the level in the incoming gas does not exceed 10 ppm. Because the catalyst is coated on a Molecular Sieve, this trap also can remove water vapor.

Dimensions:

- 120 cc Trap: 11 $\frac{1}{8}$ in. (28.2 cm) long x 1 $\frac{3}{8}$ in. (35 mm) diameter
- 750 cc Trap: 16 $\frac{1}{2}$ in. (41.9 cm) long x 2 $\frac{5}{16}$ in. (59 mm) diameter
- S-Trap: 7 $\frac{1}{2}$ in. (19 cm) long x 5 $\frac{9}{16}$ in. (14.1 cm) wide x $\frac{1}{2}$ in. (13 mm) diameter [total bed length = 19 $\frac{3}{4}$ in. (50.2 cm); the extended bed length ensures prolonged contact between the gas and the adsorbent and provides greater working capacity]



Top: 503088; Middle: 22450-U; Bottom: 503126

Description	Cat. No.	Qty
volume 120 cc, fitting $\frac{1}{8}$ in.	22449	1 ea
volume 120 cc, fitting $\frac{1}{4}$ in.	22450-U	1 ea
volume 750 cc, fitting $\frac{1}{4}$ in.	503088	1 ea
volume 750 cc, fitting $\frac{1}{2}$ in.	503096	1 ea
S-trap, fitting $\frac{1}{8}$ in.	503126	1 ea

Oxisorb® Oxygen Scrubber

This trap will reduce oxygen and moisture to less than 1 ppm when the incoming level of oxygen is below 15 ppm and the incoming level of moisture is below 10 ppm. Use alternative traps when the levels in the incoming gas exceed these values. The kit includes a cartridge, and fittings for installation. Replacing the cartridge is simple, and can be performed quickly.

Dimensions:

- Cartridge and Fittings: 9 $\frac{1}{4}$ in. (23.5 cm) long x 2 in. (51 mm) diameter
- Cartridge Only: 4 $\frac{7}{8}$ in. (12.4 cm) long x 1 $\frac{1}{8}$ in. (29 mm) diameter



Description	Cat. No.	Qty
Kit, fitting $\frac{1}{4}$ in.	20639-U	1 ea
Replacement cartridge	20631	1 ea