



CRS AFS Purifiers

A high-capacity gas purifying system that removes contaminants from inert gases and hydrogen. The AFS Purifiers can be expected to supply multiple GC Installations for an extended period of time depending on the laboratory environment. The two part system includes a small stainless steel manifold and a high capacity purifier cartridge. The manifold mounts to a laboratory wall or bench with brackets included in the installation kit and connects to the gas lines with stainless steel compression fittings.

AFS I

| 500 cc | Capacity | Efficiency | Nominal Flow Rate | Max Recommended Flow Rate | Hazardous Shipping | Max. Pressure | Approximate Dimensions | Fitting Type | Part Number |
|--------|---|---|-------------------|---------------------------|--------------------------|------------------|------------------------|-------------------------|-------------|
| | O ₂ : 850 cc H ₂ O*: 12 g HC**: 8 g | O ₂ : < 5 ppb H ₂ O: < 20 ppb HC: < 5 ppb | 0.5 SLPM | 2 SLPM† | Small Quantity Exception | 14 bar / 200 psi | 30 x 5 x 5 cm | 1/8" Fittings | 202900 |
| | | | | | | | | 1/4" Fittings | 202902 |
| | | | | | | | | Replacement Cartridge | 202910 |
| | | | | | | | | Reconditioned Cartridge | 202920 |

AFS II

| 500 cc | Capacity | Efficiency | Nominal Flow Rate | Max Recommended Flow Rate | Hazardous Shipping | Max. Pressure | Approximate Dimensions | Fitting Type | Part Number |
|--------|--|---|-------------------|---------------------------|--------------------|------------------|------------------------|-------------------------|-------------|
| | H ₂ O*: 8.8 g HC**: 13 g | H ₂ O: < 20 ppb HC: < 5 ppb | 0.5 SLPM | 2 SLPM† | NO | 14 bar / 200 psi | 30 x 5 x 5 cm | 1/8" Fittings | 202903 |
| | | | | | | | | 1/4" Fittings | 202904 |
| | | | | | | | | Replacement Cartridge | 202950 |
| | | | | | | | | Reconditioned Cartridge | 202930 |

AFS III

| 500 cc | Capacity | Efficiency | Nominal Flow Rate | Max Recommended Flow Rate | Hazardous Shipping | Max. Pressure | Approximate Dimensions | Fitting Type | Part Number |
|--------|-------------------------|------------|-------------------|---------------------------|--------------------|------------------|------------------------|-------------------------|-------------|
| | H ₂ O*: 22 g | < 20 ppb | 0.5 SLPM | 2 SLPM† | NO | 14 bar / 200 psi | 30 x 5 x 5 cm | 1/8" Fittings | 202905 |
| | | | | | | | | 1/4" Fittings | 202906 |
| | | | | | | | | Replacement Cartridge | 202955 |
| | | | | | | | | Reconditioned Cartridge | 202935 |

* Water capacity based on an inlet moisture concentration of 200 ppm

** Hydrocarbons (C5 and heavier); capacity based on 0.05 % pentane inlet concentration

‡ For high flow applications, contact Sales@ChromRes.com