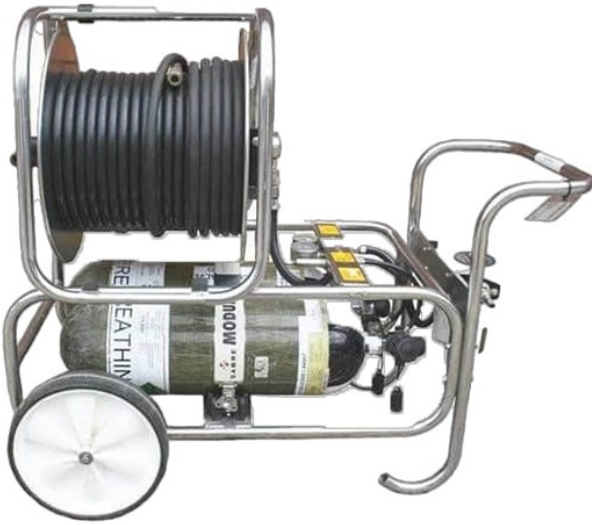


## 3M™ Scott™ Modulair Airline Respiratory System



Modulair systems are user-friendly air supply systems designed to provide portable clean air in confined access areas. The system generally consists of a full-face mask, a belt harness, an air tube, a trolley, a hose reel and an anti-static hose. Mask and tube options can be found in the "[complementary products](#)" section below.

The stainless steel hose reel unit and cylinder frame can be used independently or together. The frame is designed to carry a pair of cylinders, and when needed, an additional frame can be stacked vertically, allowing the connection of up to four cylinders. This allows for the maximum number of users to be increased as four users (with the necessary spare parts). The system can also be supported by Flite Cylindrical Escape System if required.

For long-term use, adjustable cylinder straps and high-pressure cylinder connectors accommodating various cylinder sizes with pressure values of 200 and 300 bar are provided. The valves mounted on the cylinder connections allow the independent replacement of cylinders for continuous operation.

There is a whistle system that warns the user once the pressure in the cylinder drops below 50 bars.

The system is certified according to EN 14593-1:2005 standard.

### Usage Areas

- **Long-Duration Tank Maintenance and Cleaning:** Hours of blasting, painting, or inspection operations in confined spaces where working with heavy back-mounted cylinders is restrictive.
- **Oil, Gas & Petrochemical:** Catalyst handling, internal column maintenance, and critical line interventions during refinery shutdowns.
- **Marine & Shipyards:** Welding and assembly tasks performed inside cargo holds, ballast tanks, and double-bottom confined spaces.
- **Hazardous Material Intervention (HazMat):** Decontamination and remediation processes executed in environments with high concentrations of toxic chemicals or gases.

### Standards



CE Mark

## TECHNICAL DETAILS

| MATERIALS                   |  |
|-----------------------------|--|
| Frame                       | Stainless Steel  |
| Hose Reel Drum              | Stainless Steel  |
| Wheels                      | Polypropylene  |
| CEN Couplings Male          | Stainless Steel  |
| CEN Couplings Female        | Nickel Plated Brass with Stainless Steel Locking Balls |
| Manifold                    | Nickle Plated Brass                                    |
| Pressure Reducing Valve     | Nickle Plated Brass                                    |
| Reducing Valve Seat         | Polyamide (Nylon)                                      |
| O-Rings                     | Nitrile, Silicone, EPDM                                |
| Reducing Valve Springs      | Stainless Steel  |
| HP Pressure Gauge           | Stainless Steel, Polycarbonate Lens                    |
| HP Pressure Gauge Cover     | Neoprene   |
| MP Air Supply Hose Fittings | Nickel Plated Brass                                    |

|                         |  |
|-------------------------|--|
| MP Air Supply Hose      | PVC  |
| HP Air Hose             | PTCFE liner, stainless steel braiding, Estane sleeve |
| Valve Handwheel         | Glass Filled Polyamide                               |
| Cylinder Band           | Stainless Steel                                      |
| Cylinder                | Steel or Composite                                   |
| Cylinder Valve          | Nickle Plated Brass                                  |
| Rust Tube               | Brass  |
| Valve Handwheel         | Glass Filled Polyamide                               |
| Airline Hose AntiStatic | Nitrile Butyl Rubber                                 |

