

**3M™ Novec™ 1230 Fire Protection Fluid
Pre-engineered System Cylinders**

ENGINEER AND ARCHITECT SPECIFICATIONS

Models:

40, 76, 164, 322, 601, 915, 1240

- Seven Sizes Filled at Factory in One lb. Increments
- High Flow Rate Valve
- Electric Solenoid Operation
- Optional Liquid Level Indicator
- Horizontal Mounting
- Clean Extinguishing Fluid Novec 1230



Description

Seven cylinder sizes are available from 20 to 1240 lb. capacities. They can be filled as shown

Cylinder Sizes	Allowable Fill lbs	Catalog Numbers
40	16-40	CV-14490
76	34-76	CV- 14251
164	76-164	CV-14817
322	150-322	CV-14325
601	280-601	CV-14813
915	390-915	CV-14975*
1240	531-1240	CV-11240**

All sizes are charged with agent and pressurized with nitrogen to 360 psig at 70° F. They are manufactured, tested, and marked in accordance with D.O.T. specifications: 4BA500 or 4BW500 for the various sizes.

Cylinder Valves

The cylinder valves are of a pressure-seated high flow rate design, in order to meet the rapid discharge time specified in NFPA 2001. Each has a brass body, a brass piston with resilient seat, a pressure releasing pilot check, a safety disc assembly, a pressure gauge, and an electric solenoid valve. This relieves the pressure above the piston and permits the piston to travel upward, thus fully opening the valve and permitting the agent to discharge through the outlet. The discharge outlet is fitted with an anti-recoil plug, which is a safety device to prevent movement of the cylinder in the event of discharge while the cylinder valve is not connected to the piping system and the cylinder is not securely fastened to a solid structure.

Each NOVEC™ 1230 fill and use shall be in accordance with the instructions in the pre-engineered system design manual as required by UL Listing or FM Approval.



*Final fill undetermined for UL
** Twin valve engineered only (Pending)