

TECHNICAL DATA SHEET / EN

M-300H2

Grooved end cap with eccentric threaded drain opening

M-300H2 terminates a grooved pipe while providing an off-centre threaded connection for a drain arrangement. The opening is eccentric, not central; its position matters when arranging drainage.

A coupling and gasket retain and seal the cap at the main pipe. The threaded opening must be connected or closed with compatible components to complete the pressure boundary.



01 Technical parameters

Parameter	Value / condition
Working pressure	300 psi / 20.7 bar
Connection	Groove; NPT threaded port

For aboveground steel pipework in fixed water-based fire-protection systems. The component forms part of a designed pipe assembly; it does not detect or extinguish a fire by itself.

02 Certification and scope

Document	Number	Scope
FM Approvals	PR475688	Model M-300H2

Approval scope depends on model, exact size, execution, pipe, gasket and pressure. Approval is not transferable between variants.

03 Sizes and connections

DN	OD [mm]	Threaded port
50	60.3	1" NPT
65	76.1	1" NPT
80	88.9	1½" NPT
100	114.3	1½" NPT
125	139.7	1½" NPT
125	139.7	2" NPT
150	168.3	1½" NPT
150	168.3	2" NPT
200	219.1	1½" NPT
200	219.1	2" NPT

04 Main component materials

Component	Material / construction
Housing/body	Ductile iron ASTM A536 Grade 65-45-12

05 Selection and compatibility

Specify main-pipe outside diameter and the exact threaded opening size and standard. Check eccentric orientation, drain components and the pressure rating of the selected combination; do not infer coverage from another outlet size.

06 Installation and checks

Isolate, depressurize and drain the pipe before fitting or removing a cap. Verify the coupling engagement and supporting arrangement; trapped pressure can remain behind a closed termination.

07 Operation and maintenance

During scheduled inspections, check for leakage, corrosion and mechanical damage. Depressurize and drain the affected section before dismantling; use compatible replacement parts.

Application limitations

The bare fitting does not establish the rating of its couplings, seals or adjoining equipment. Use the lowest pressure limit of the complete assembly; verify media and temperature compatibility of all sealing components. The port is eccentric. The threaded ports shown are NPT. NPT and BSPT are not interchangeable. DN100 with a 2" port is not covered by this sheet.

08 Ordering information

Variant	Painted (P)	Galvanized (G)
DN65 × DN25	M-300H2-076034P	M-300H2-076034G
DN80 × DN40	M-300H2-089048P	M-300H2-089048G
DN100 × DN40	M-300H2-114048P	M-300H2-114048G
DN125 × DN40	M-300H2-139048P	M-300H2-139048G
DN125 × DN50	M-300H2-139060P	M-300H2-139060G
DN150 × DN40	M-300H2-168048P	M-300H2-168048G
DN150 × DN50	M-300H2-168060P	M-300H2-168060G
DN200 × DN40	M-300H2-219048P	M-300H2-219048G
DN200 × DN50	M-300H2-219060P	M-300H2-219060G

P — painted; G — galvanized. A code suffix identifies the finish, not approval coverage. Confirm the required approval for the ordered execution.