



## Fire Hydrant

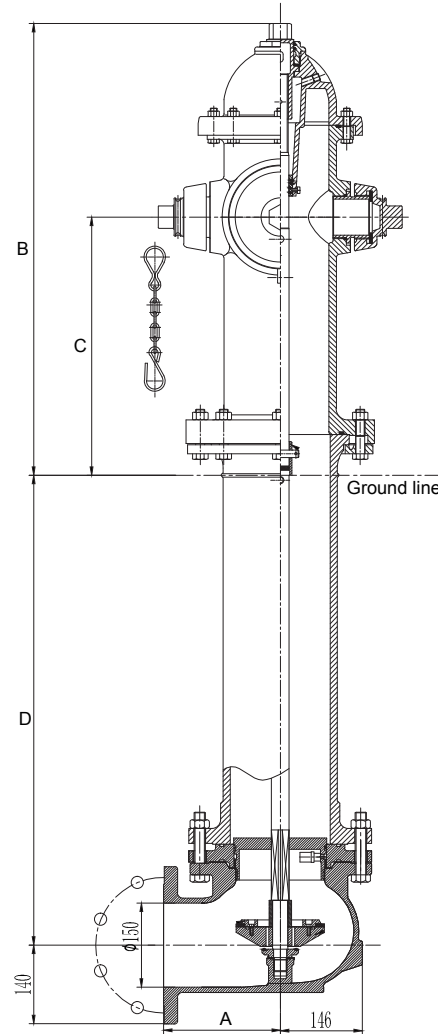
### HYF & HYM Dry Barrel Fire Hydrant

#### Technical features

- **Valve sizes** : 133.4 mm / 5-1/4"
- **Pressure data** :  
*Working pressure* : 17.2 bar (250 psi)
- **Finish** : Red & black epoxy paint  
Interior & exterior to AWWA C550
- **Connections** : 6"/DN150 Flanged (HYF) (PN16/ANSI #150) or mechanical joint (HYM)
- **1 x Pumper Outlet** : 4-1/2" NH thread
- **2 x Hose Outlet** : 2-1/2" NH thread
- **Specifications** : Confirms to AWWA C502
- **Note** : Each hydrant is supplied with a hydrant wrench



Model HYM



#### Fire Hydrant - HYF & HYM

#### Physical Data

Part number PN/ANSI	Model	Dimension mm (mm / inch)				Weight (kg)
		A	B	C	D	
HYF-025P	HYF	208 / 8.2	805 / 31.7	460 / 18.1	762 / 30	165
HYF-030P					911 / 36	178
HYF-035P					1,063 / 42	185
HYF-040P					1,215 / 48	190
HYF-045P					1,368 / 54	196
HYF-050P					1,520 / 60	211
HYF-055P					1,673 / 66	220
HYF-060P					1,825 / 72	241
HYF-065P					1,978 / 78	246
HYF-070P					2,130 / 84	251

For the mechanical joint (HYM) version connections, contact Viking.



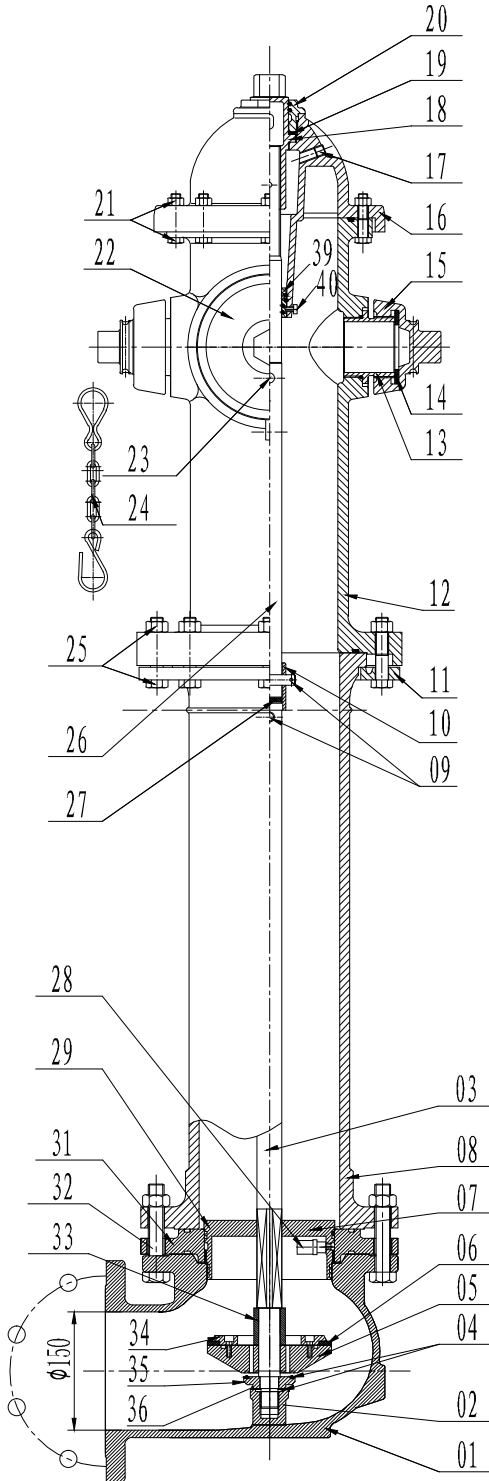
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# Fire Hydrants & Equipment

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Parts



Item No.	Description	Material	Specification
1	Connector	Ductile iron	ASTM A536 Grade 65-45-12
2	Lock nut	Ductile iron	ASTM A536 Grade 65-45-12
3	Connecting rod	Carbon steel 1045	ASTM A29/29M
4	Lock nut gasket	EPDM	ASTM D2000
5	Tray	Ductile iron	ASTM A536 Grade 65-45-12
6	Seal	EPDM	ASTM D2000
7	Guide bracket	Aluminium bronze	ASTM B148
8	Lower barrel	Ductile iron	ASTM A536 Grade 65-45-12
9	Perforated pin	Carbon steel 1045	ASTM A29/29M
10	Connecting rod sleeve	Stainless steel	ASTM A351
11	Clamp	Ductile iron	ASTM A536 Grade 65-45-12
12	Body	Ductile iron	ASTM A536 Grade 65-45-12
13	Outlet	Aluminium bronze	ASTM B148
14	Outlet gasket	EPDM	ASTM D2000
15	Outlet cover	Ductile iron	ASTM A536 Grade 65-45-12
16	Bonnet	Ductile iron	ASTM A536 Grade 65-45-12
17	Thread plug	Aluminium bronze	ASTM B148
18	Screw stem nut	Aluminium bronze	ASTM B148
19	Screw nut gasket	PTFE	
20	Screw nut seat	Aluminium bronze	ASTM B148
21	Bonnet bolt & nut	Carbon steel 1035	ASTM A29/29M
22	Pumper cover	Ductile iron	ASTM A536 Grade 65-45-12
23	Cylindrical pin	Carbon steel 1045	ASTM A29/29M
24	Chain	Carbon steel Gr. B	ASTM A283-B
25	Body bolt & nut	Carbon steel 1035	ASTM A29/29M
26	Stem	Carbon steel 1045	ASTM A29/29M
27	Cushion	EPDM	ASTM D2000
28	Pressure relief valve	Stainless steel	ASTM A240
29	Seat	Aluminium bronze	ASTM B148
31	Seat fixing plate	Ductile iron	ASTM A536 Grade 65-45-12
32	Lower barrel bolt & nut	Carbon steel 1035	ASTM A29/29M
33	Annular tube	Carbon steel 1045	ASTM A29/29M
34	Plate	Ductile iron	ASTM A536 Grade 65-45-12
35	Lock nut seat	Ductile iron	ASTM A536 Grade 65-45-12
36	Check gasket	EPDM	ASTM D2000
39	Screw stem bushing	Stainless steel	ASTM A240
40	Bolt	Stainless steel	ASTM A240

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#### Installation, operation & maintenance

##### Installation

1. Hydrants should be handled with care to avoid damage. It is recommended to keep hydrants closed until use.
2. If the hydrant is not to be used straight away then it is recommended to coat threads and other machined parts with an anti-rust oil and the hydrant should be stored in a dry and ventilated area. For long-term storage, the hydrant should be checked regularly.
3. Before installation of hydrants, the connection should be free from dirt or other matter.
4. The positioning of the hydrant should be in accordance with local requirements. Ideally the pumper should face the street and all connections should be away from any obstruction to connecting hoses.
5. The inlet elbow should be placed on a solid surface and if possible brace the side opposite the incoming flow to reduce reaction stresses.
6. The underground parts of the hydrant should be surrounded with coarse gravel for support and drainage.
7. After the hydrant has been installed and tested, it is recommended to fully flush the hydrant before closing for service. Before replacing the nozzle caps, it is recommended to check for correct drainage of the hydrant on closing of the valve. This can be achieved by placing a hand over the nozzle opening, a suction should be felt.

##### Operation

1. Unscrew the nozzle caps and connect hoses.
2. Open the hydrant using the hydrant key (included) to the fully open position by turning the valve nut in an anti-clockwise direction – do not force the hydrant to open further past the fully open position. Note that the hydrant valve is not intended to control the flow, it should be used in either the fully open or fully closed position. To control flow, a pressure/flow control valve should be fitted to the nozzle outlets on the hydrant.
3. To close, turn the valve nut in a clockwise direction – again, do not over tighten.

##### Maintenance

1. Carry out a visual inspection for signs of significant corrosion which may impair performance.
2. Where possible, carry out leak tests by opening one of the nozzle caps slightly and then opening the hydrant valve. Once the air has escaped tighten the hose cap and check for leaks.
3. Close hydrant and remove one nozzle cap so that the drainage can be checked.
4. Flush the hydrant.
5. Clean and lubricate all nozzle threads.
6. Clean the exterior of the hydrant and repaint if required.