



ISO 9001
QM HU 1 17 383 12
www.ecomcert.org

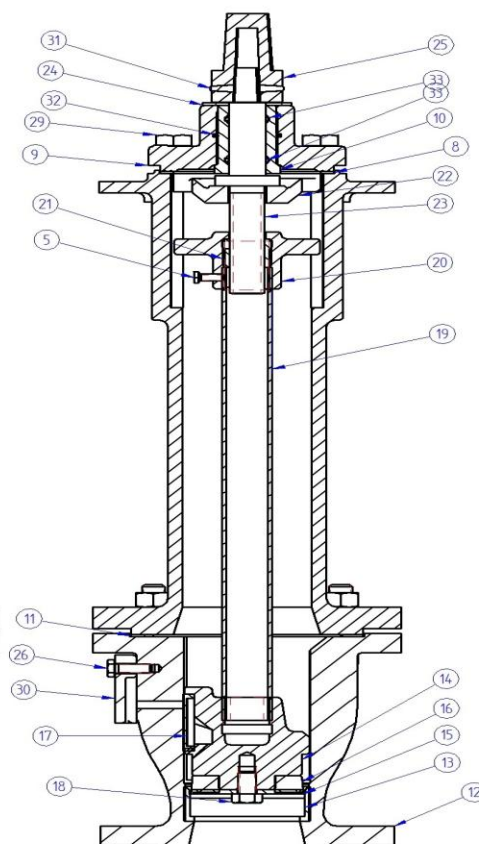
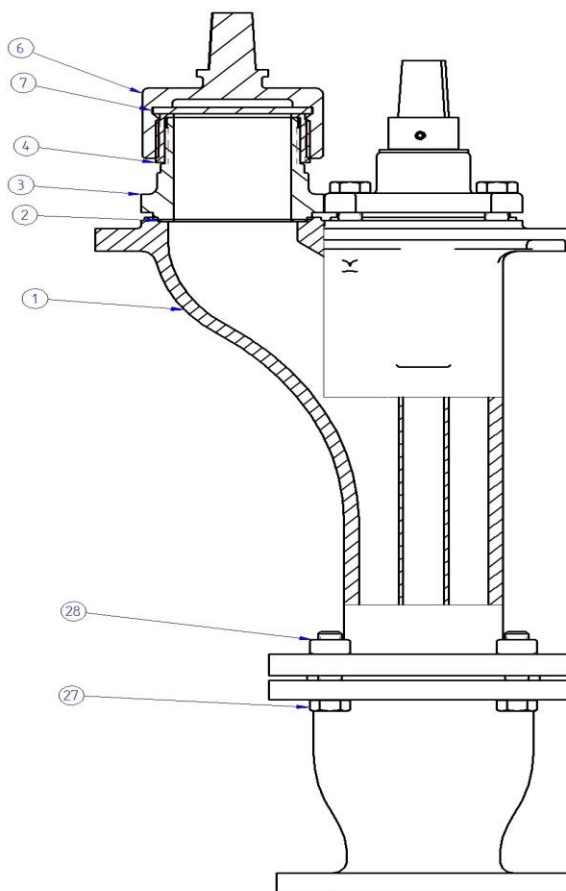
MOHÁCSI VASÖNTÖDE

Since 1894

www.vasontode.hu

PRODUCT SPECIFICATION
UNDERGROUND FIRE HYDRANT
DN 80, PN 16 MSZ EN 14339
Type number: M21-80-00

Nr	Pc	Description	Drawing Nr
1	1	Hydrantbox	M2-80-02
2	1	Seal	M2-80-25
3	1	Iron connection	M2-80-21
4	1	Outlet	M2-80-03
5	3	Hexagon head bolt ISO 4017 - M6x16	
6	1	Cap	M2-80-32
7	1	Seal	M2-80-16
8	1	Seal	M1-80-23
9	1	Cover	M1-80-04
10	1	Flanged bush	M1-80-05
11	1	Seal	M1-80-23
12	1	Valve box	M1-80-01
13	1	Valve bush	M1-80-14
14	1	Valve body	M1-80-07
15	1	Disk clamp	M2-80-15
16	1	Ring sealing	M1-80-08
17	1	Seal component	M1-80-12
18	1	Metric hexagon bolt ANSI B18.2.3.5M M12x20	
19	1	Valve push rod	M1-80-10
20	1	Wing nut housing	M2-80-11V1
21	1	Trapezoidal threaded nut bush	M2-80-11V2
22	1	Retainer plate	M1-80-09
23	1	Spindle	M1-80-13
24	1	End plate	M1-80-18
25	1	Key	M1-80-06
26	1	Hexagon head bolt DIN 933 M8x25	
27	4	Hexagon head bolt DIN 933 M16x60	
28	4	Hexagon nut DIN 934 - M16	
29	6	Hexagon head bolt ISO 4017- M6x45	
30	1	Drain covering	M1-80-33
31	1	Key locking	M1-80-24
32	1	O-ring 3x39.2	M1-80-38
33	2	O-ring 3x39.2	M1-80-38



Mohácsi Vasöntöde Kft.

H-7700 Mohács, Kossuth L. u. 53-55. • Tel: (+36) 69 322 733 • Fax: (+36) 69 311 433 • E-mail: info@vasontode.hu

Cégjegyzékszám: 0209061982 • Adószám 11006536-2-02 • Bank: 10400779-49485050-48481000 • IBAN HU80 1040 0779 4948 5050 4848 1000 • SWIFT: OKHBHUHB



MOHÁCSI VASÖNTÖDE

Since 1894

www.vasontode.hu

Area of application:

Connected to public water utilities of municipalities, hydrants are used primarily for firefighting. They can also be used to obtain water supplies as well as to drain off water or bleed air.

Material of the main parts:

Cast iron (EN-GJL-200 MSZ EN 1560:2000): hydrant box, valve box, valve body, cap, cover, key, retainer plate, wing nut housing, iron connection.

Brass: threaded bush.

Stainless steel: spindle

Red brass CDA 836: outlet.

Food grade rubber: seals, ring sealing.

Plastic: valve bush, flanged bush, end plate.

Versions available:

	Unit weight (kg)	Product code
UNDERGROUND FIRE HYDRANT CAST CAP M21-80-00A 1 m	50	6-02-01
UNDERGROUND FIRE HYDRANT CAST CAP M21-80-00B 1.25 m	55	6-02-02
UNDERGROUND FIRE HYDRANT CAST CAP M21-80-00C 1.5 m	60	6-02-03
UNDERGROUND FIRE HYDRANT TECHNICAL RUBBER CAP M21-80-00A 1 m	46	6-02-27
UNDERGROUND FIRE HYDRANT TECHNICAL RUBBER CAP M21-80-00B 1.25 m	51	6-02-28
UNDERGROUND FIRE HYDRANT TECHNICAL RUBBER CAP M21-80-00C 1.5 m	56	6-02-29

Installation:

Its connection to the public water system is made possible through the intermediary of a cast iron double-flanged bend (DN80 QN fitting). It is advisable to install a suitable wedge gate valve in front of fire hydrants supplied from the water main pipe. The hydrant key and outlet are safely hidden in a surface box below ground level.

Connections:

Joining flange dimensions: in conformity with EN 1092:2000, DN 80-PN 16; and DN 100-PN 16.

Water outlet

- diameter: 80mm

- connection: special trapezoidal thread, Tr 105x6d₂, (MSZ 9772)

Withdrawal of water:

Through a stand pipe fitted to the nozzle and suitable to be connected to a fire hose socket (MSZ 9772).

Hydraulic characteristics

Complies with standard MSZ EN 14339:

DN 80: $K_v = 85.6$ on 1x65 mm outlet

If the pressure difference between the input and output is more than 1 bar, the values above shall be understood in m³/h.

Mohácsi Vasöntöde Kft.

H-7700 Mohács, Kossuth L. u. 53-55. ■ Tel: (+36) 69 322 733 ■ Fax: (+36) 69 311 433 ■ E-mail: info@vasontode.hu

Cégjegyzékszám: 0209061982 ■ Adószám 11006536-2-02 ■ Bank: 10400779-49485050-48481000 ■ IBAN HU80 1040 0779 4948 5050 4848 1000 ■ SWIFT: OKHBHUHB



ISO 9001
QM HU 1 17 383 12
www.ecomcert.org

MOHÁCSI VASÖNTÖDE

Since 1894

www.vasontode.hu

Opening – closing:

With a square, 27 mm wrench (MSZ 9771/3), turning counter-clockwise: open position, turning clockwise: close position. An internal shut-off valve system prevents water hammers during the opening or closing operations. DN 80 flow capacity is only reached when positioned fully opened. The hydrant is equipped with an automatic drain system. The special drain holes allow any water left inside the hydrant case to drain away into the bed of gravel to be created when installing the hydrant. Since it is protected from frosting in winter, it does not require any thawing-out. The drainage period is 2 to 4.5 minutes, depending on the tightness of the soil and the gravel. **WARNING: the drain holes are closed only when the hydrant is in full open position!**

Instructions for maintenance:

As part of the mandatory maintenance specified by the National Fire Safety Regulations, during the operational test, water tightness and complete draining have to be checked. After removing the lid (M1-80-04), the entire inside structure of the fire hydrant can be taken out in one piece without having to excavate the column pipe.

Finish:

Components protected by an epoxy-based multilayer weatherproof coating system according to the requirements of the National Fire Safety Regulations. The surface of inside castings are treated with bicomponent epoxy coating, tested and certified by the National Public Health and Medical Officer Service.

Mohácsi Vasöntöde Kft.

H-7700 Mohács, Kossuth L. u. 53-55. ■ Tel: (+36) 69 322 733 ■ Fax: (+36) 69 311 433 ■ E-mail: info@vasontode.hu

Cégjegyzékszám: 0209061982 ■ Adószám 11006536-2-02 ■ Bank: 10400779-49485050-48481000 ■ IBAN HU80 1040 0779 4948 5050 4848 1000 ■ SWIFT: OKHBHUHB