

Freeflow below ground hydrant PN 16



Design features

- Free passage
- Stainless steel plate mechanism with fixed opening and closing points, which will not be affected by encrustation or pollution.
- Good corrosion protection by epoxy coating and non-corroding materials
- Maintenance free
- Automatic drainage system with pressure control, drain time less than 10 min.
- Minimal torque for operation
- Suitable for installation by under pressure drilling (installation afterwards)
- Multiple functions possible
- Seals in shut-off element is protected against damage

Technical features

Standard: EN 14339

Max. operating pressure: 16 bar

Standard pipe cover: 1,50 m

Rate of flow: Rate of flow Q (m³/h) at a differential pressure of 1 bar is higher than K_v [m³/h] demanded by EN 14339

Remaining water content: < EN 1074-6

- Flange sized and drilled according to EN 1092-2 | PN 16

Connection possibilities:

- Flange connection: EN piece, F piece, drilling clamp flange sized and drilled according to EN 1092-2
- BAIO spigot connection: B piece, MMB piece, SM piece, MMN piece

On request:

- Below ground extensions 100 to 500 mm
- Protection against dirt and twisting no. NL92 of the BAIO spigot

Suitable accessories

Suitable accessories: see page H 1/2

Drainage element	No. 5062
Flanged duck foot bend	No. 5045, No. 5046, No. 5049
Operating key	No. 3460, No. 3461
Flat gasket	No. 3390
Bolts	No. 8810, No. 8830, No. 8840
Surface boxes	No. 1950, No 1950E, No 1950K
Dirt and anti-twist protection	No. NL92

No. 5060

No. 5061

Bayonet coupling
DN 80



Order No.	Version	MOP (PN)	Pipe cover*		
			1,00 m	1,25 m	1,50 m
5060	Flange connection DN 80	16			
5061	BAIO spigot connection DN 80				

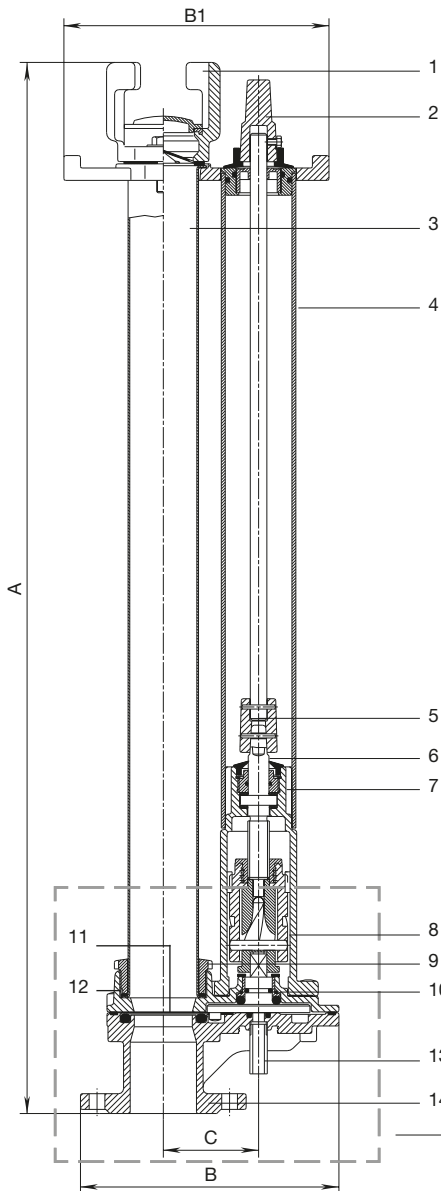
*Optional intermediate lengths possible (smallest pipe cover 0,85 m)
Overlengths up to 3 m on request

Application example



Freeflow below ground hydrant

PN 16

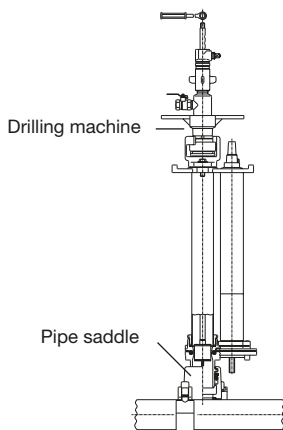


	Parts	Material
1	Bayonet coupling	ductile iron
2	Operating nut	ductile iron, galvanised
3	Pipe	stainless steel, epoxy powder-coated
4	Plastic protection pipe	PP
5	Spindle sleeve	ductile iron, galvanised
6	Spindle	stainless steel
7	Gear	ductile iron
8	Plate drive	stainless steel
9	Ring nut	PA
10	Diving worm	brass
11	Valve plate	stainless steel
12	Hydrant top	ductile iron
13	Drain connection	PE
14	Hydrant end with flange connector or BAIO spigot connector	ductile iron

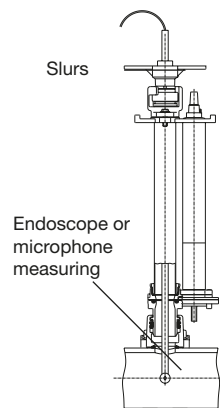
Order No.	Connection	Pipe cover	A	B	B1	C	Weight
5060	Flange DN 80	1,00 m	740	280	320	115	35,0
		1,25 m	990				37,5
		1,50 m	1240				39,5
5061	BAIO spigot DN 80	1,00 m	785	280	320	115	31,5
		1,25 m	1045				34,0
		1,50 m	1295				36,0

Other application opportunities

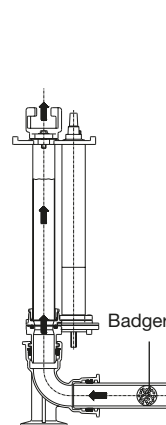
Under pressure drilling



Pipe inspection



Pipe cleaning via badger



Pipe draining with sucking lance

