



PN 16
DN 80

Product Features

- For direct underground installation, no requirement for installation chambers
- Due to the mandrel there is no need for inspection chamber
- Equipped with VAG DUOJET® 264 Automatic Air Valve DN 50
- Operated by the flow medium
- Compact design, few internal parts
- Triple function
 - large orifice for discharge of big air volumes
 - large orifice for venting of big air volumes
 - small orifice for discharge of small air volumes under full operation pressure
- High discharge capacity up to sound velocity by means of stabilised float
- Outlet with threaded socket
- Final Inspection Tests acc. to EN 12266 (DIN 3230 part 4)

Materials

- Mandrel and internal parts of stainless steel
- DUOJET® - body and bonnet of ductile cast iron EN - JS 1030 (GGG-40)
- Mandrel cap of corrosion resistant aluminium alloy

Corrosion Protection

- All components of corrosion resistant materials or with epoxy coating



Field of Application

- Max. operating temperature: 50°C
- Minimum pressure for sealing of small orifice 0,3 bar

Alternatives

- Installation depth 1,00 m / 1,25 m / 1,50 m und 1,75 m
- For pressures between 0,1...0,3 bar special seal



Accessories

- Surface box (plastic), basis DIN 3583, marked with: "VAG Be- und Entlüftungsgarnitur"
- Base plate of plastic
- Surrounding plate of plastic
- Drain connection:
 - RD 1.0 m
 - RD 1.25 m
 - RD 1.50 m
 - RD 1.75 m

For information about installation, commissioning, operating and maintenance we kindly refer to our "**Installation and Operating Instructions - Valves**".

Field of Use

Water

Final Inspection Tests in acc. with EN 12266

DN	PN	Max. operating pressure	Max. operating temperature for neutral liquids	Test pressure in bar with water	
				in body	in seat
mm	bar	bar	°C		
80	16	16	50	24	16
80 BAIO®	16	16	50	24	16

VAG BEV Automatic Air Valve

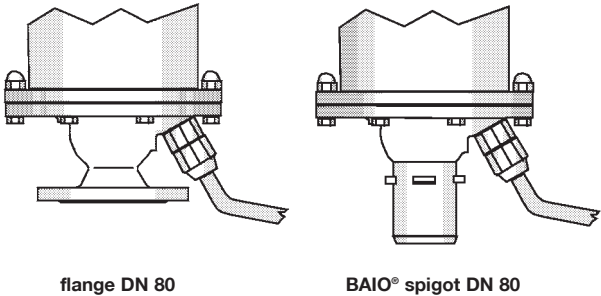
for underground installation,
no requirement for installation chambers



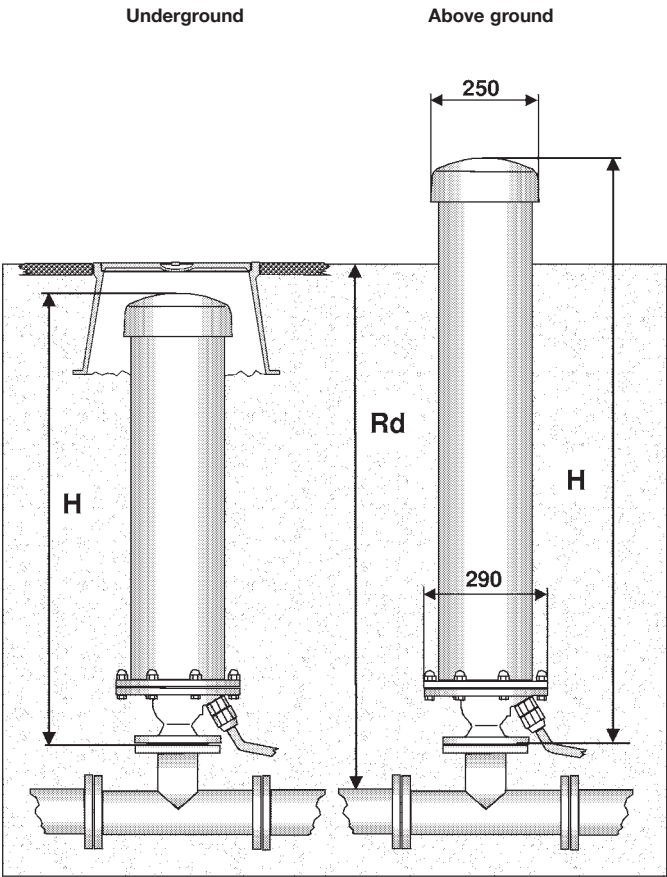
Water

■ Dimensions / weights

Connection alternatives



Installation alternatives



For technical discharge and venting capacity,
see next page.

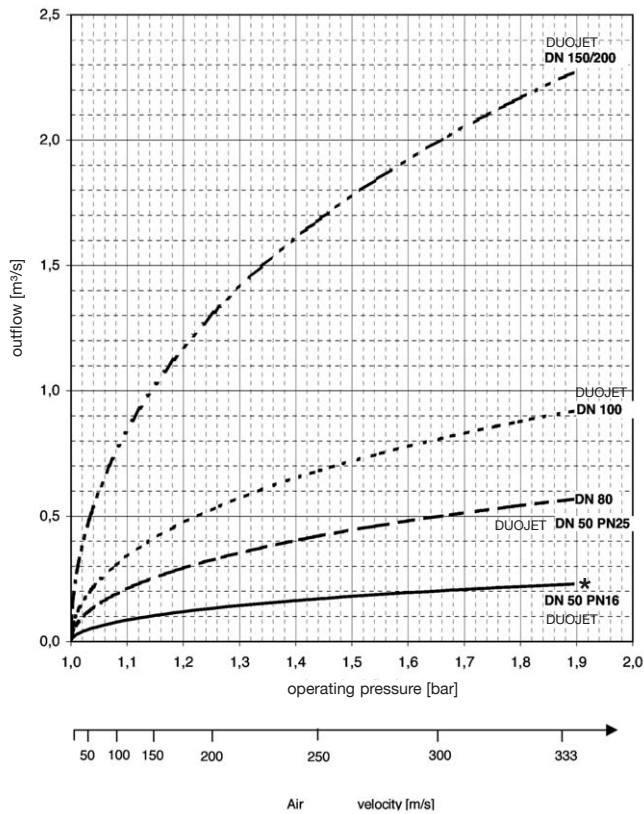
Pipeline connection	Installation depth		Construction height	Weight
	Underground	Above ground		
	Rd (m)	Rd (m)	H (mm)	(kg)
Flange DN 80 (DIN 2501)	1,00 m	0,75 m	795	44
BAIO® spigot DN 80	1,25 m	1,00 m	1045	48
	1,50 m	1,25 m	1295	52
	1,75 m	1,50 m	1545	56



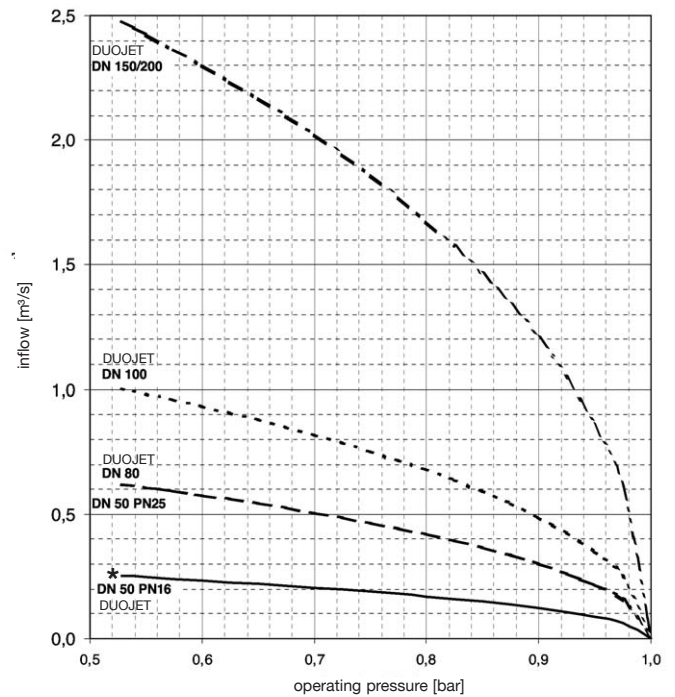
Air release and air intake

Attention: Higher flow capacity on request!

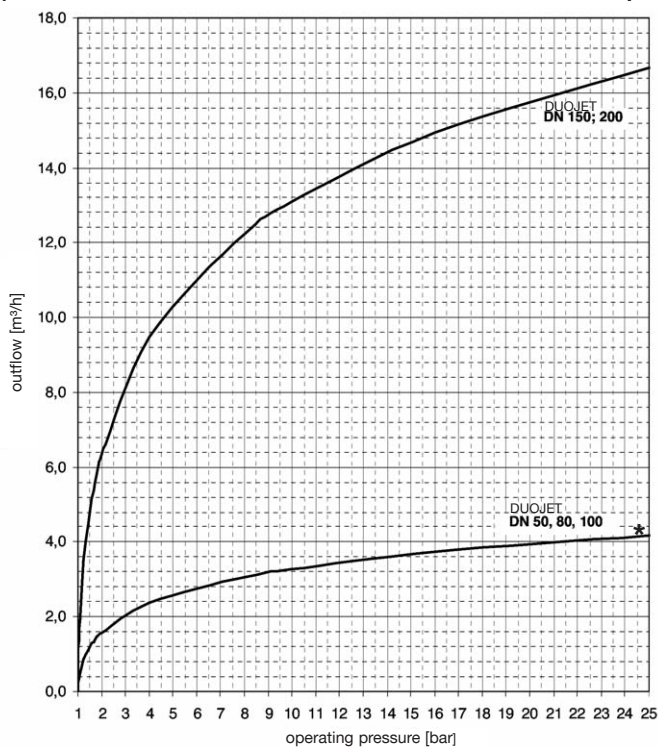
Rate of air release (large orifice)



Rate of air intake (large orifice)



Rate of air release (Small orifice for air release of small air volumes under full operation pressure)



* VAG BEV Automatic Air Valve DN 80