

Quality products exclusively designed for gas distribution

- + Valve compatible with Natural Gas, manufactured gas, LPG, propane, propane-air mixture and biogas (on demand)
- + No maintenance needed
- + Body and spigots made with 100% virgin resin
- + The production and the final testing are automated and semi-automated
- + From DN 20 up to DN 250 for all types of network or connection
- + Installation and operation simplified thanks to many accessories and options: square operating heads, base plates, coupling collars, operating extensions, protection sleeves, hood for an access to telescopic sleeve...
- + Other functions: decompression valve, tapping ball valve, network termination bleed valve
- + Valves that conform to EN 1555-4, GIS V7-2 and NF APE 136 specifications

BANIDES,
more than **1 million**
PE valves for gas networks made in 20 years

Why choose BANIDES PE valves ?

Unequaled technical performances

- 1/4 turn clockwise closing valve according to EN 1555-4
- 100 % Virgin resin (operating life: 50 years)
- PE-HD 100: black high density polyethylene (in accordance with EN 1555-1)
- Temperature range: From -20°C to +40°C / -4°F to +105°F
- Very low operating torque (in accordance with EN 1555-4)
- Low and medium pressure valve, up to 10 bar / MOP10 (145 psi)
- Bi-directional valve: flow direction: either way
- Electro-fusion fittings connection (NB: butt fusion if the resin of tube/fitting matches with the valve)

A unique design

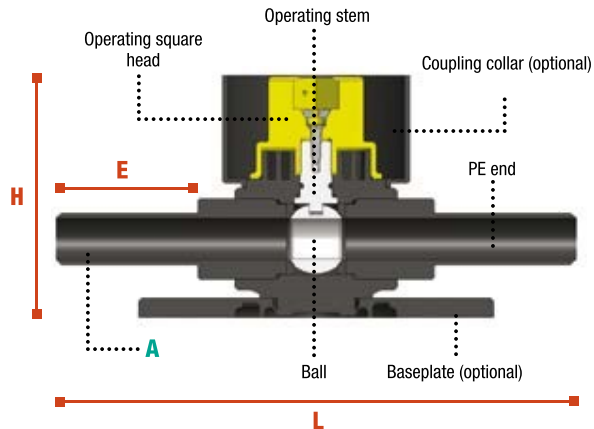
- External tightness against water, dust, sand and alluviums
- Internal design that reduces pressure drop (optimum shape)
- Many customization options (baseplates, coupling collars, operating extensions, protection sleeves...)
- Significant guard angle (8 degrees minimum) - maximum safety in closed position
- No maintenance needed

A modern industrial facility

- Automated production and final testing, conforming to quality management system ISO 9001
- Internal laboratory accredited by a third party (NF certified)
- Packaging to suit customers' needs



PE VALVE OPEN / CLOSED



FULL BORE*

EXTERIOR DIAMETER OF PE END	thickness A		L Length	H Height	E PE end length
	SDR11	SDR17			
20	3,0		323	148	87
25	3,0		323	148	87
32	3,0		323	148	87
40	3,7		456	202	112
50	4,6		456	202	94
63	5,8		380	165	112
90	8,2	5,4	463	252	114
160	14,6	9,5	875	434	200
200	18,2	11,9	925	434	225

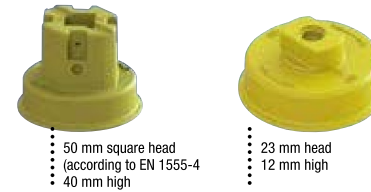
STANDARD BORE

EXTERIOR DIAMETER OF PE END	thickness A		L Length	H Height	E PE end length
	SDR11	SDR17			
40	3,7		323	148	87
63	5,8		380	165	112
75	6,8		389	202	87
90	8,2	5,4	389	202	87
110	10,0	6,6	491	242	127
125	11,4	7,4	489	242	131
160	14,6	9,5	735	344	200
180	16,4	10,7	755	344	210
200	18,2	11,9	785	344	225
225	20,5	13,4	815	344	240
250	22,7	14,8	995	434	260

* according to EN1555-4 (2011-06)

1 OPERATING HEAD

Clockwise or counterclockwise rotation

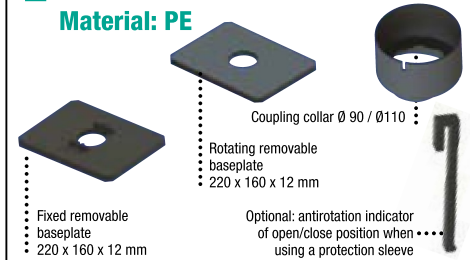


50 mm square head (according to EN 1555-4) 40 mm high

23 mm head 12 mm high

2 BASEPLATE AND COUPLING COLLAR

Material: PE



Fixed removable baseplate 220 x 160 x 12 mm

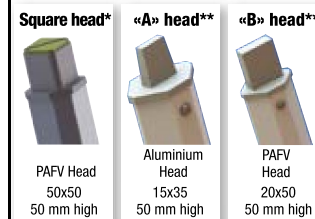
Rotating removable baseplate 220 x 160 x 12 mm

Coupling collar Ø 90 / Ø110

Optional: antirotation indicator of open/close position when using a protection sleeve

3 PVC OPERATING EXTENSIONS

3 types of operating head

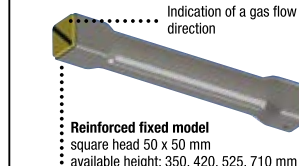


Square head* PAFV Head 50x50 50 mm high

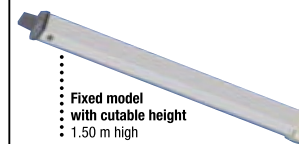
«A» head** Aluminium Head 15x35 50 mm high

«B» head** PAFV Head 20x50 50 mm high

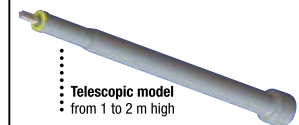
*Resistance up to 150 Nm
**Resistance up to 200 Nm (operating torque)



Reinforced fixed model square head 50 x 50 mm available height: 350, 420, 525, 710 mm



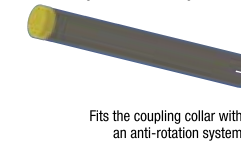
Fixed model with cutable height 1.50 m high



Telescopic model from 1 to 2 m high

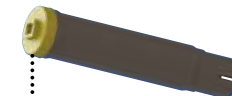
4 PVC PROTECTION SLEEVE Ø 110 mm (Ø 90 mm on demand)

Fixed model (or with adjustable height) 820 mm high or 1500 mm high



Fits the coupling collar with an anti-rotation system

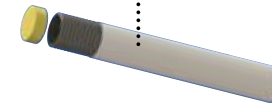
Telescopic model 470 - 770 mm high or 580 - 1020 mm high



Screw-on yellow cap with square head 50 x 50 and open/closed indication

Fits the coupling collar with an anti-rotation system

Ventilated model with geotextile coating which permits the evacuation of gas 675 mm high



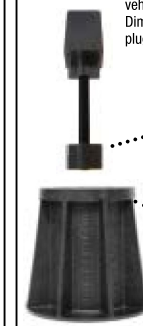
5 PVC OPERATING KEY



Female square ending 50 x 50 mm, 1 m high

6 POLYPROPYLENE FIBREGLASS HOOD for an access to a telescopic sleeve

Resistant to deformation due to traffic (including pedestrian streets), parking areas for all types of the vehicles according to EN 124 Dimensions: base 200mm, plug 90mm, height 190 mm



Key allowing opening or closing of the hood

Customizable plug equipped with metallic strapping which can be detected from the surface and which is resistant to hot-mix asphalt.

Example of a customised product:

BANIDES has developed a valve whose operating mechanism is far stronger than the required standard. **Double the value required by EN 1555-4 !** (available on request)