

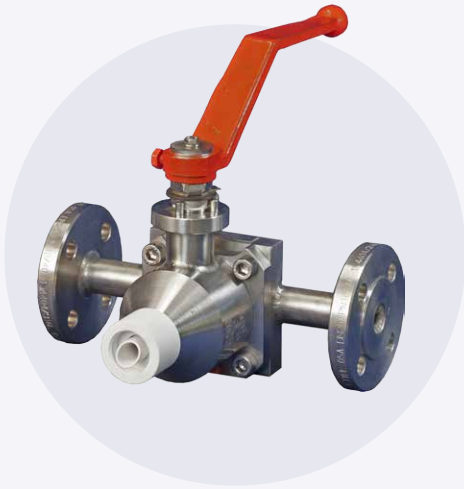
**SAFE, PRECISE &
SUSTAINABLE**



SAMPLING VALVE

Three types of sampling valves

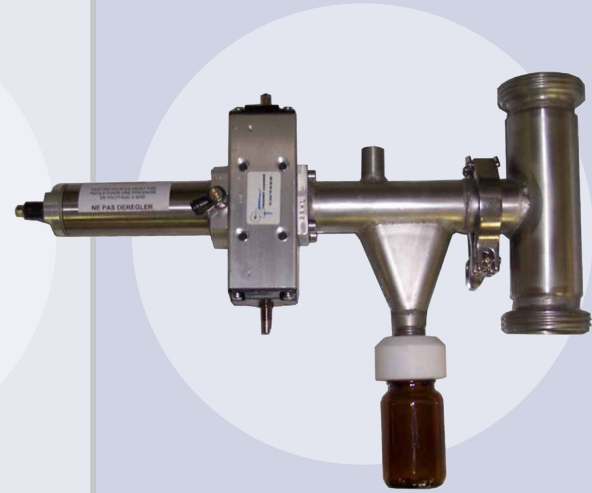
Capacitive sampling ball valves



Piston sampling valves



Spoon powder sampling valves



Applications

The safety sampling valve performs precise and **under total safety samplings** under pressure or vacuum conditions of all type of liquids, powders, solids or gaz.

Widely adopted by the main **Chemical, Petrochemical, Plastic and Polymers worldwide actors**, we have been perpetually improving their design and manufacture for **more than thirty years**.

All our products are machined or welded-assembled and can be manufactured in **stainless steel or special alloys** (Duplex, Inconel, Hastelloy®, Titanium, Uranus, etc.)

The capacitive sampling **ball** valve ensures that a representative sample is safely taken by a key 180° turn.

Key advantages:

- non leaking system while taking a line process representative sample
- Complete sealing – one hand action and zero leakage to the atmosphere
- Pressure degasing process through the volume increase caused by the evacuation in the flask holder
- system allow to collect samples under vacuum and under pressure without any modification

The operating principle lies in a **piston** linear movement.

Key advantages:

- Full bore draining
- Three positions available: crust breaking, closed piston leveled to the nozzle and open (full bore)
- Disc design adapted to the internal vessel (non intrusive for agitator)
- Sealing metal – metal, PTFE or O' ring
- Internal body profile improving the flow

The operating principle lies in a **spoon** linear translation and a 180° turn movement.

Key advantages:

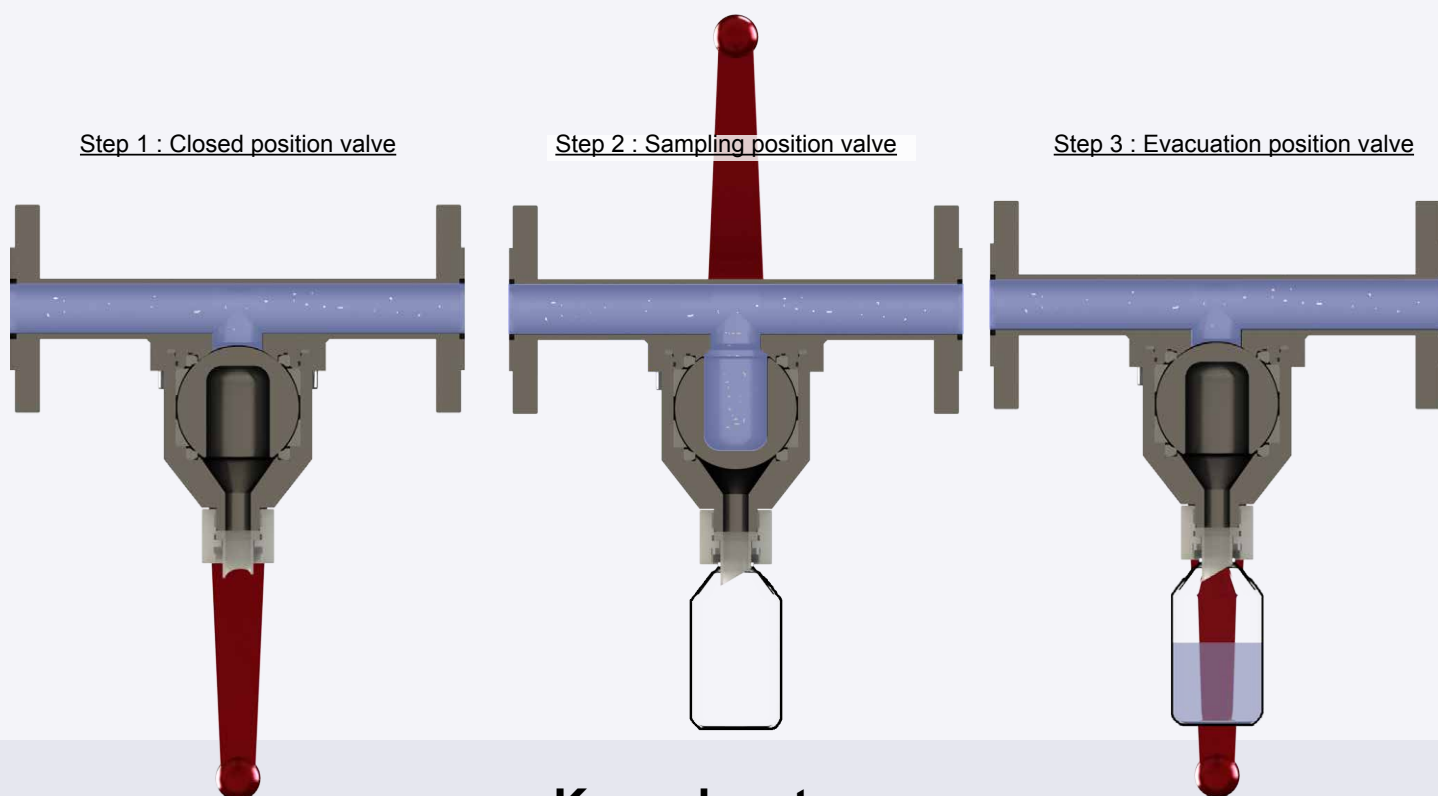
- Easy use with one hand action
- Adapt for solids, powder and other non liquid products
- Representative sample direct from the center of the pipe
- Sealing adapted to the different powder and solids
- Internal body profile improving the flow

THE SAFETY CAPACITIVE BALL SAMPLING VALVE

Operating principle

The capacitive ball sampling valve ensures that a representative sample is safely taken by a key 180° turn.

The sample is evacuated in the flask holder as the key is turned back.



Key advantages

Security :

- “Deadman” handles : non leaking system while taking a line process representative sample
- **Easy use** : complete sealing – one hand action and zero leakage to the atmosphere
- **Pressure breaker** : pressure degasing process through the volume increase caused by the evacuation in the flask holder
- **Vacuum and pressure sample** : system allow to collect samples under vacuum and under pressure without any modification
- **CMR classified** production line
- **Fire-safe** and **ATEX** approved

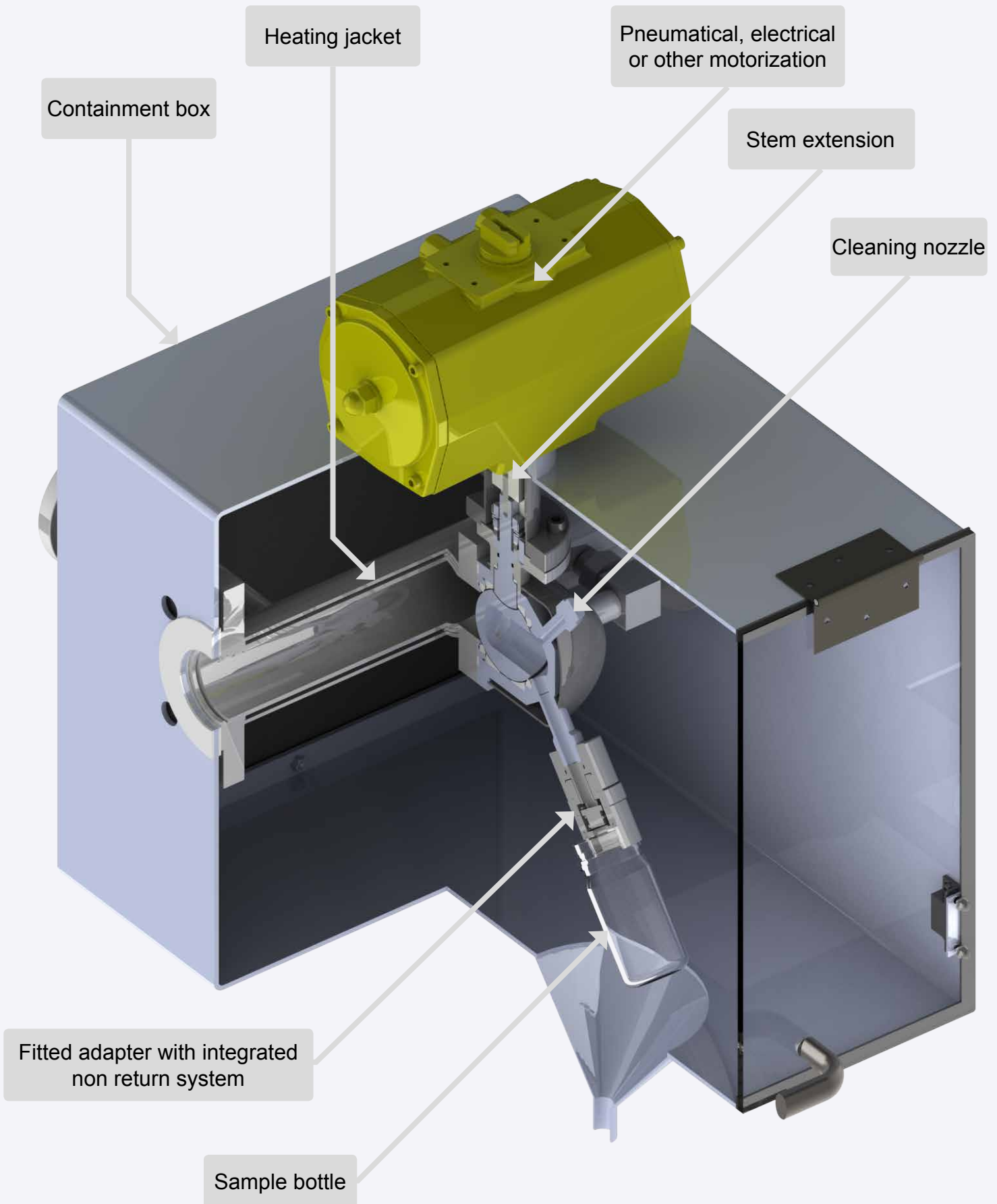
Customized sampling valves :

- **Unlimited options** :
 - Heating jackets for crystallizing liquids
 - Nozzle for cleaning body
 - Containment box for CMR classified production line
 - Various kind of operation (electrical, pneumatic...)
- **Various materials** :
 - Hastelloy, Uranus, Titanium, Monel, Inconel, special stainless steel,...
 - PFA / Halar coating stainless steel,...
 - FDA approved interns,...

Sample quality :

- **Minimum retention** : inserts, filler shell and ball at the process closest to ensure dead space free

Capacitive ball sampling valve with heating jacket and containment box



They trust us



Chemical Industry



Pharmacy Industry



Oil & Gas Industry



Petrochemical Industry



Nuclear Industry



Food-processing Industry



Turnkey Operators



BOM Industrial Valves other range of products

Bottom outlet
valve

Polymer valve

Gate valve

Globe valve

Cryogenic valve

Ball, plug valve

Strainer, sight
glass

Check valve and
other achievements

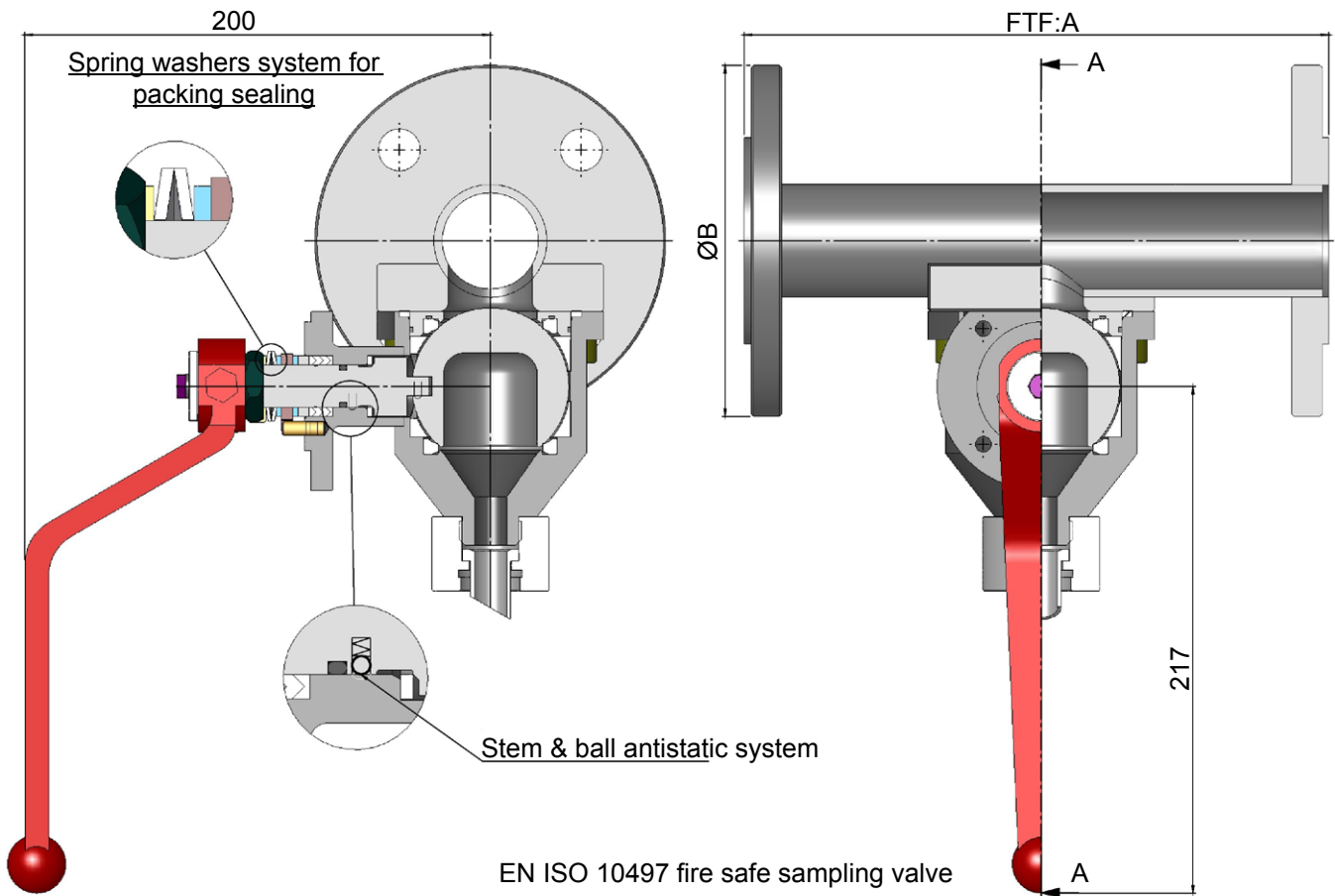
CAPACITIVE BALL SAMPLING VALVE

-Type 8000H -

Description

- **Horizontal mounting.**
- **Size :** DN15 to DN100.
- **Connection :** **Welded flanges** (PN10 - **PN16** - PN20 and PN50) SW, BW, flanged, Guillemin coupling type.
- **Capacity :** 15, 25, 50 and 100ml.
- **Use conditions :** Pressure : -1 to 16 bar / Temperature : -10 to + 250°C.
- **Intern material :** PTFE, **25% glass PTFE**, 25% graphite or 50% stainless steel.
- **O-ring material :** **Nitrile**, black viton, FEP (FDA) covered viton, EPDM.
- **Wetted material :** **1.4404 (316L)**, 1.4306 (304L), steel, nickel alloy (inconel, hastelloy, monel, nickel, zirconium...), 904L (uranus), 1.4571 (316Ti), titanium, tantalum.
- **Options :** Pneumatic (single or double acting) or electrical actuator, heating jacket, manual operator extension, cleaning nozzle, containment box.

Note : bold, standard parameters.

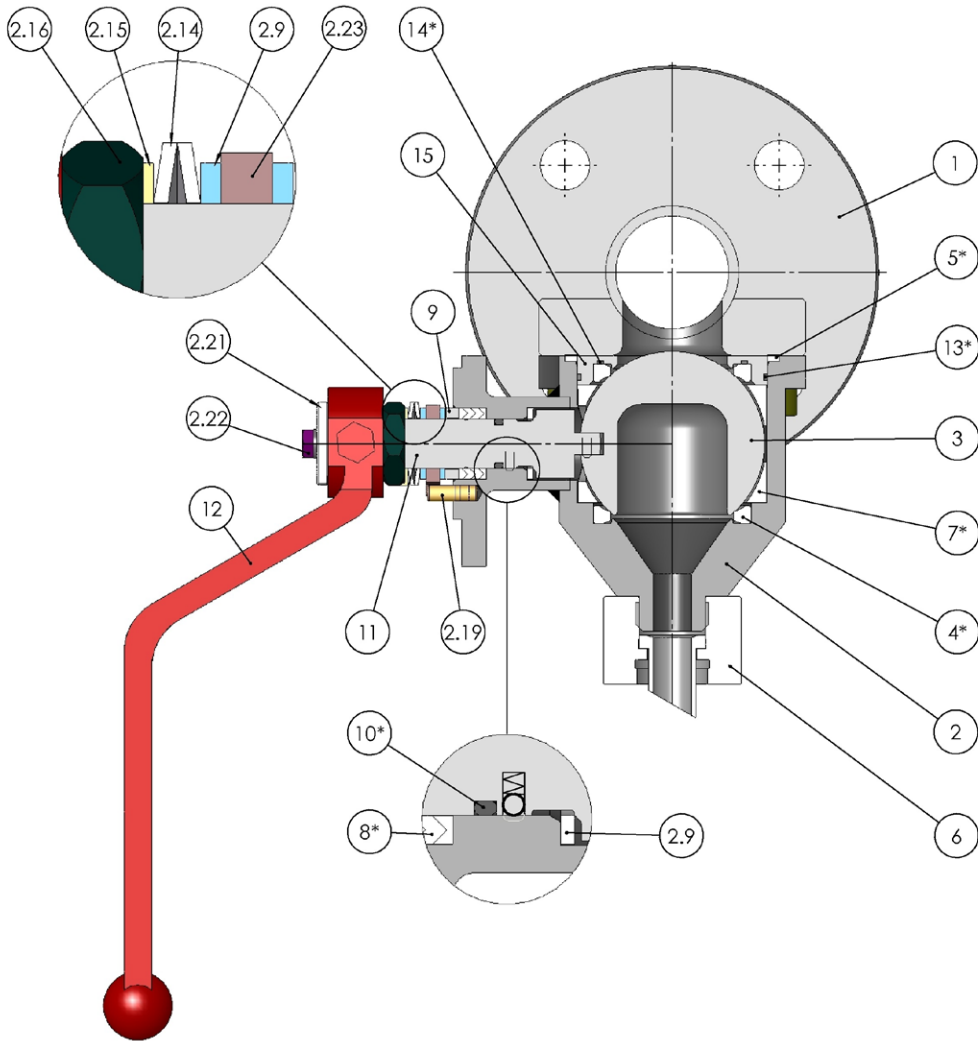


Dimension	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	
A	250	250	250	250	250	250	250	250	250	
B	PN10/16	95	105	115	140	150	165	185	200	225
	PN20	89	98	108	117	127	152	178	190	229
	PN50	95	117	124	133	156	165	190	210	154

All other manufacturing are available on request

Non-contractual document

CAPACITIVE BALL SAMPLING VALVE
-Type 8000H -



Rep.	Description	Qty
1	Horizontal piping	1
2	Body	1
3	Ball	1
4*	Seat	2
5*	Body gasket	1
6	Connector	1
7*	Insert	2
2.9	Friction washer	3
8*	Packing	2
9	Gland	1
2.14	Washer	2
2.15	Locking washer	1
2.16	Nut	1
10*	Stem O-ring	1
11	Stem	1
2.19	Buttress	2
12	Operating key	1
2.21	Thrust flat washer	1
2.22	Screw	1
2.23	Thrust washer	1
13*	O-ring	1
14*	Seat O-ring	1
15	Seat support O-ring	1

Non-contractual document

Find out more about our sampling valves:
<http://www.bom.fr/en/sampling-valve>



All other manufacturing are available on request

BOM

INDUSTRIAL VALVES



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