



SECURITY | EFFICIENCY | SIMPLICITY

TECHNICAL DOCUMENTATION

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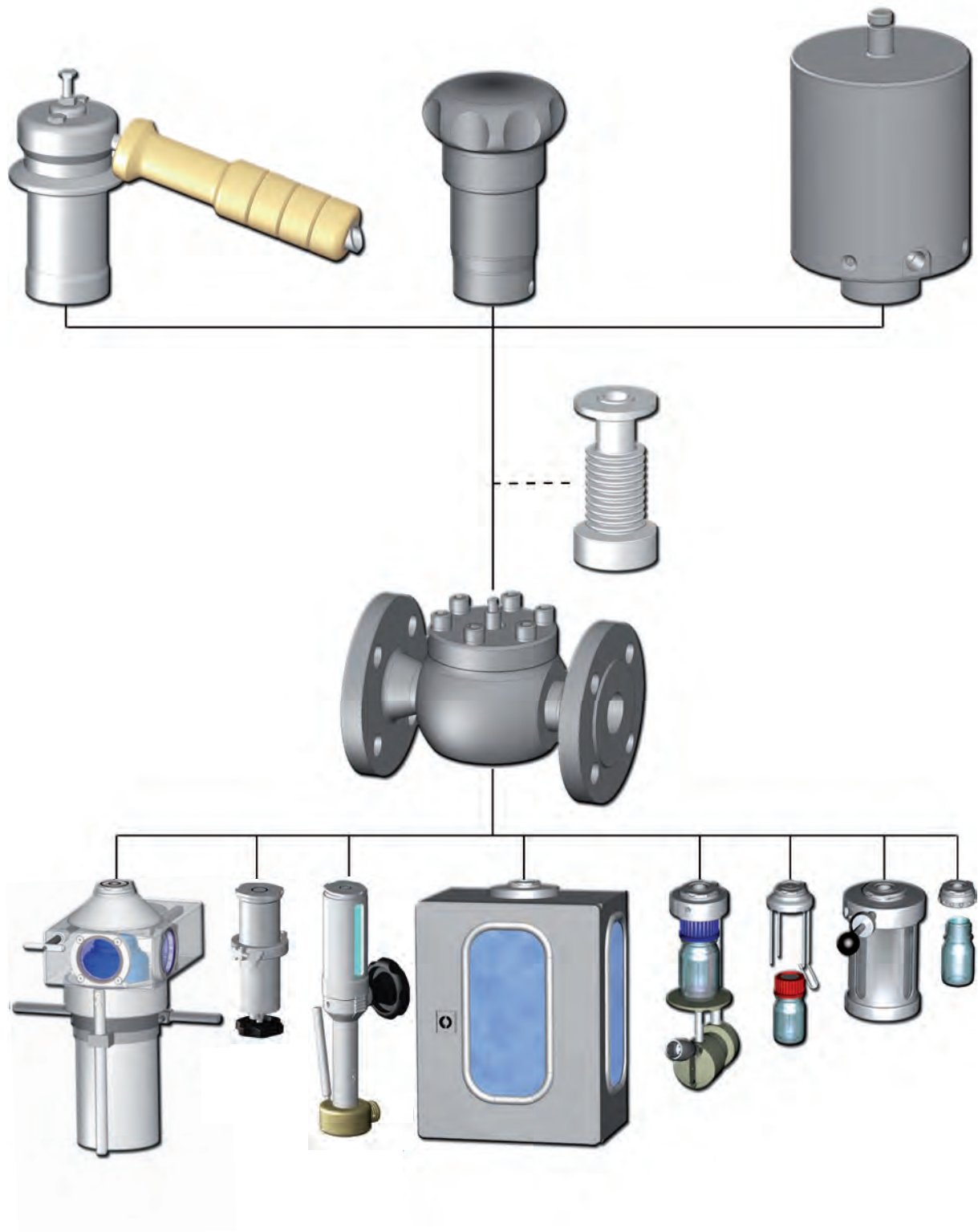
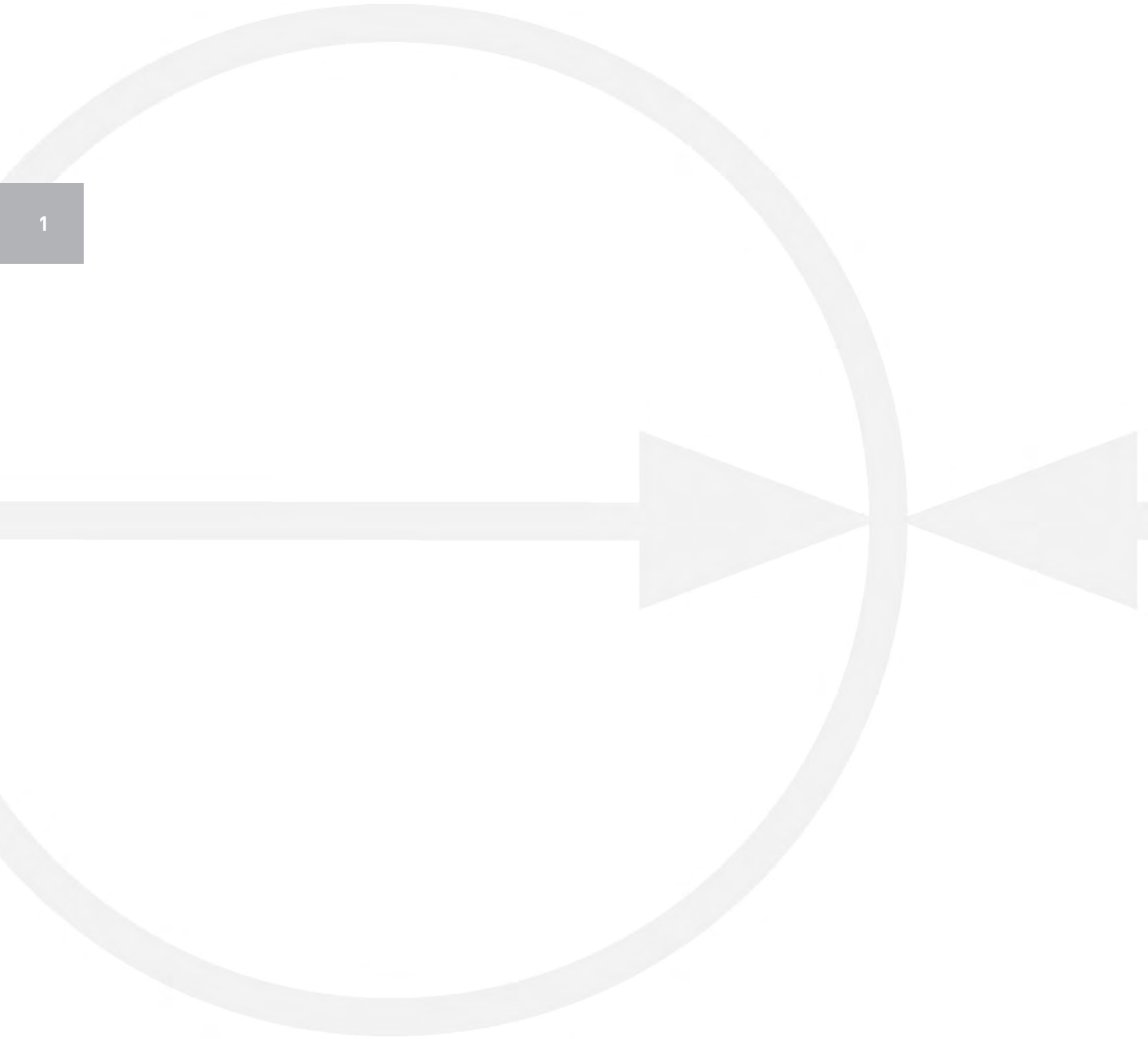


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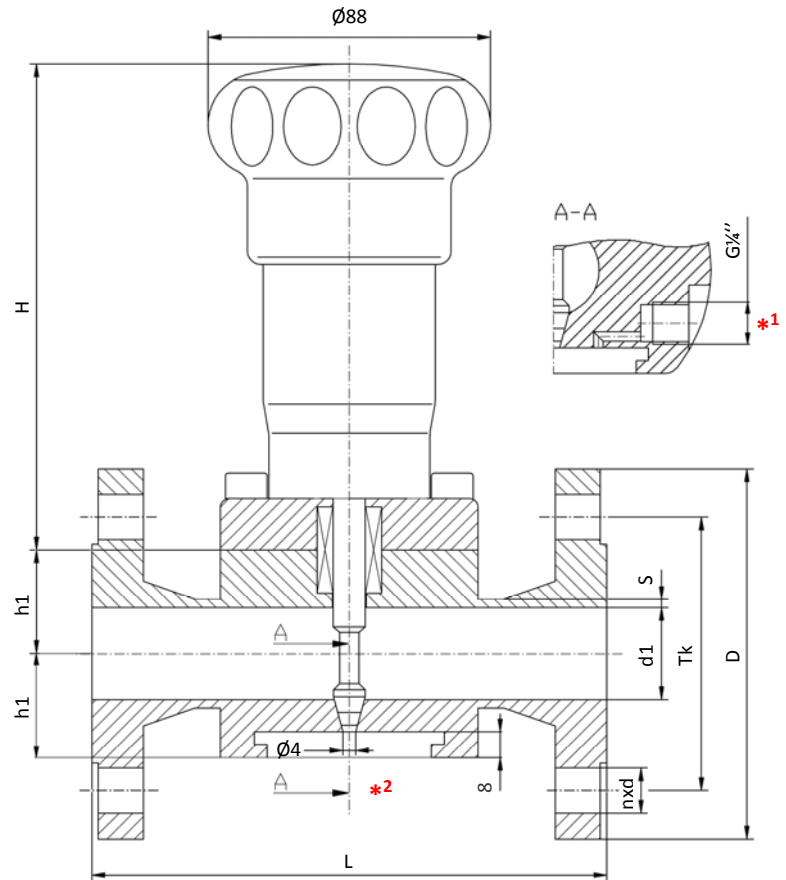


STAINLESS STEEL VALVES



1

**SS SAMPLING VALVE
WITH FLANGES
HORIZONTAL LINE
(VERTICAL LINE²)
MULTIPLE FUNCTION**



Material³
316L / 1.4435 / 1.4404 / PTFE

Dimensions in mm

ANSI													
ANSI	L	H	h1	s	d1	D		Tk		nxd		kg	
			150#/300#			150#	300#	150#	300#	150#	300#		
½	160	152	27	2	17.3	89	95	60.5	66.6	4x15.7			
¾			29	2.3	22.3	98	117	69.9	82.6	4x15.7	4x19.1	7.3	
1			32	2.6	28.5	108	124	79.2	88.9				
1¼			37		37.2	117	133	88.9	98.6				
1½	165		40		43.1	127	156	98.6	114.3	4x19.1	4x22.4		
2	178		45		54.5	152	165	120.7	127			4x19.1	8x19.1
2½	190		53	2.9	70.3	178	190	139.7	149.4				
3	203		59	3.2	82.5	190	210	152.4	168.1				
4	229	72	3.6	107	229	254	190.5	200.2	8x19.1				
6	267	98	4.5	155	279	318	241.3	269.7	8x22.4	12x22.4			
	TS (°F/°C)	-20/-29	0/-18	200/94	300/149	400/205							
PS	150# (psi/bar)	232 / 16	232 / 16	195 / 14	175 / 12	160 / 11							
	300# (psi/bar)	232 / 16	232 / 16	232 / 16	232 / 16	232 / 16							

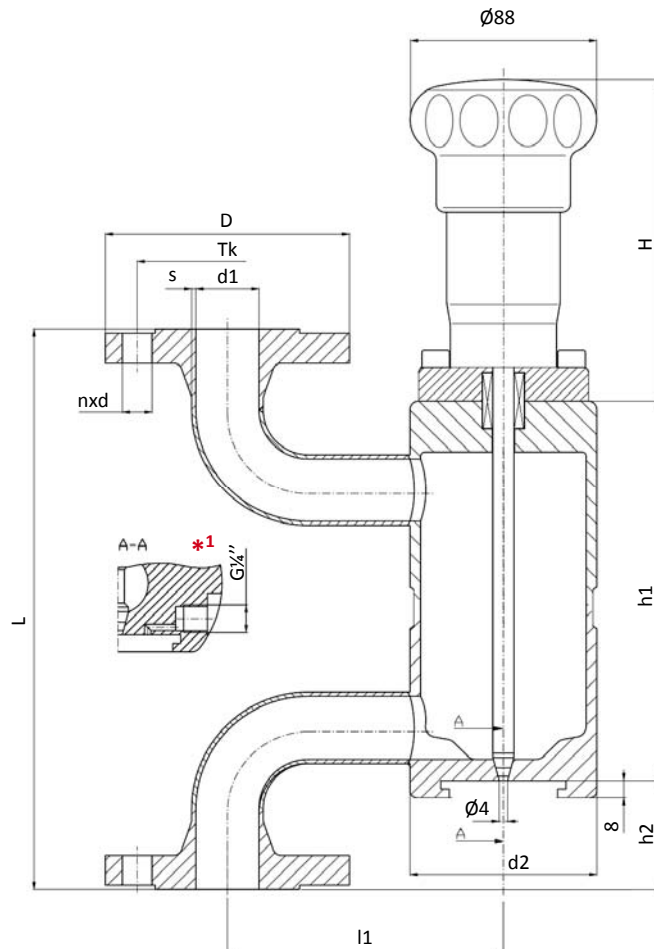
¹ vent hole connection p.5.010

² for ex. with elbow adapter p.4.020

³ other material on p.3.010

**SS SAMPLING VALVE
WITH FLANGES
VERTICAL LINE
MULTIPLE FUNCTION**

Material²
316L / 1.4435 / 1.4404 / PTFE



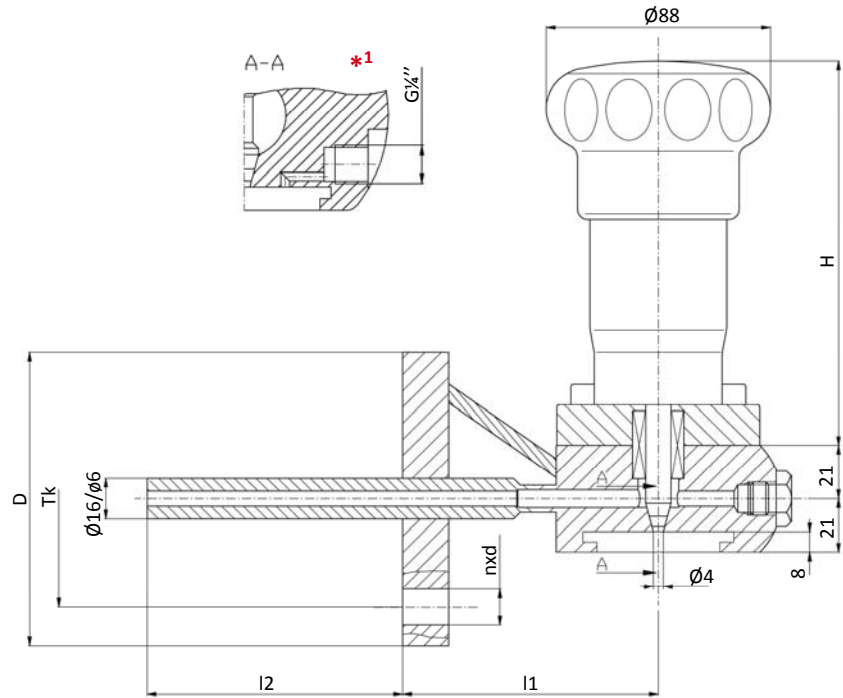
Dimensions in mm

ANSI															
ANSI	L	H	l1	h1	h2	s	d1	d2	D		Tk		nxd		kg
	150#/300#									150#	300#	150#	300#	150#	300#
1	296	152	130	179	52	2	29.7	87	108	124	79.2	88.9	4x15.7	4x19.1	
1½	332		170		67		44.3		127	156	98.6	114.3		4x22.4	
2	365		170	67	55.1		152	165	120.7	127	4x19.1	8x19.1			
3	478		200	241	113	2.6	83.7	113	190	210		152.4	168.1	8x22.4	
4	599		250	298	135		109.1	141.3	229	254	190.5	200.2	8x19.1		
	PS														
	TS (°F/°C)		-20/-29		0/-18		200/94		300/149		400/205				
PS	150# (psi/bar)		232 / 16		232 / 16		195 / 14		175 / 12		160 / 11				
	300# (psi/bar)		232 / 16		232 / 16		232 / 16		232 / 16		232 / 16				

¹ vent hole connection p. 5.010

² other material on request p.3.010

**SS SAMPLING VALVE
WITH FLANGES
LATERAL ASSEMBLY
MULTIPLE FUNCTION**



Material²
316L / 1.4435 / 1.4404 / PTFE

All other dimensions on request

Dimensions in mm

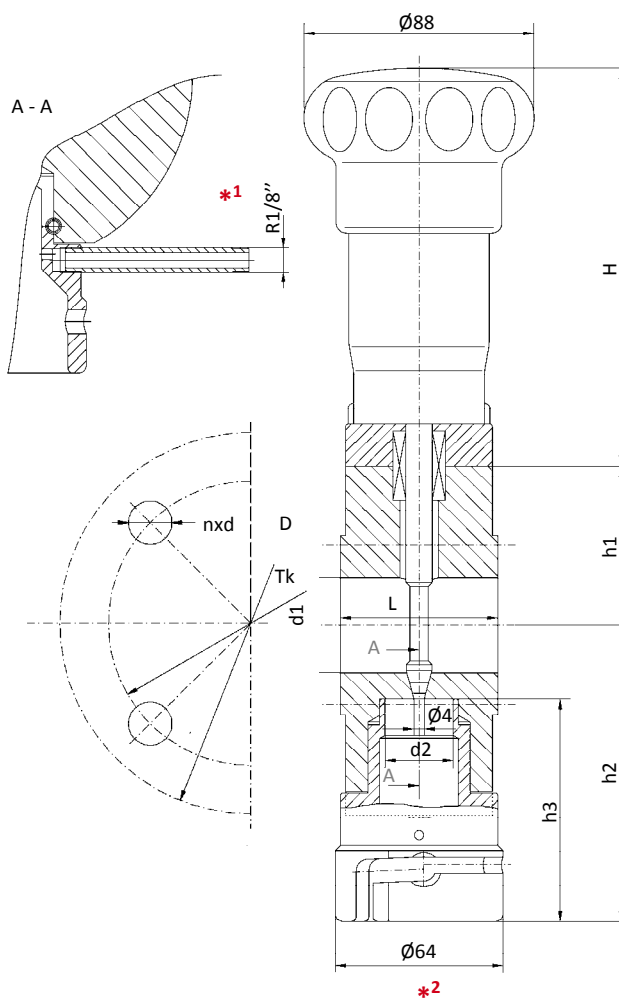
ANSI										
ANSI	I1	I2	H	D		Tk		nxd		kg
	150#/300#			150#	300#	150#	300#	150#	300#	
½	100	100	152	89	95	60.5	66.6	4x15.7		
¾				98	117	69.9	82.6	4x15.7	4x19.1	
1				108	124	79.2	88.9			
1¼				117	133	88.9	98.6			
1½				127	156	98.6	114.3			
2				152	165	121	127	4x19.1	8x19.1	~7.9
2½				178	190	139.7	149.4		8x22.4	
3				190	210	152.4	168.1			
4				229	254	190.5	200.2			8x19.1
6							279	318	241.3	269.7
PS	TS (°F/°C)		-20/-29	0/-18	200/94	300/149	400/205			
	150# (psi/bar)		232 / 16	232 / 16	195 / 14	175 / 12	160 / 11			
	300# (psi/bar)		232 / 16	232 / 16	232 / 16	232 / 16	232 / 16			

¹ vent hole connection p.5.010

² other material on request p.3.010

SS SAMPLING VALVE
WAFER TYPE
HORIZONTAL LINE
MULTIPLE FUNCTION

Material³
316L / 1.4435 / 1.4404 / PTFE



Dimensions in mm

ANSI													
ANSI	L	H	h1	h2	h3	d1	d2	D		Tk		nxd	kg
	150#/300#							150#	300#	150#	300#	150#	300#
¾	60	152	54.3	110	85	24	26	-	69.9	82.6	4x15.7	4x19.1	
1			60.5	113		36		145	79.2	88.9		4x19.1	
1½			78	120		50		175	98.6	114.3			4x22.4
2			85.5	126		62		189	120.7	127			8x19.1
2½			95.5	134		78		220	139.7	149.4	8x22.4		
3			103	140		90		254	152.4	168.1			
4			120.5	153		116		302	190.5	200.2		8x19.1	
	TS (°F/°C)		-20/-29	0/-18	200/94	300/149	400/205						
PS	150# (psi/bar)		232 / 16	232 / 16	195 / 14	175 / 12	160 / 11						
	300# (psi/bar)		232 / 16	232 / 16	232 / 16	232 / 16	232 / 16						

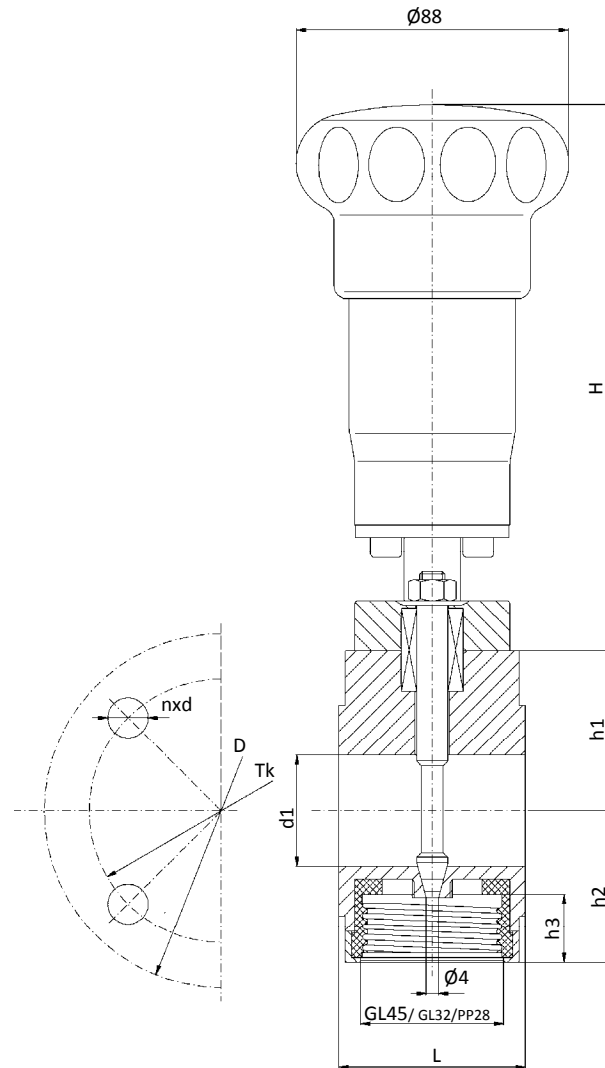
¹ vent hole connection p.5.010

² accessories on demand

³ other material on request p.3.010

**SS SAMPLING VALVE WITH INTEGRATED
THREAD ADAPTER**
 WAFER TYPE
 HORIZONTAL LINE
 TRADITIONAL RANGE

Material¹
316L / 1.4435 / 1.4404 / PTFE



Dimensions in mm

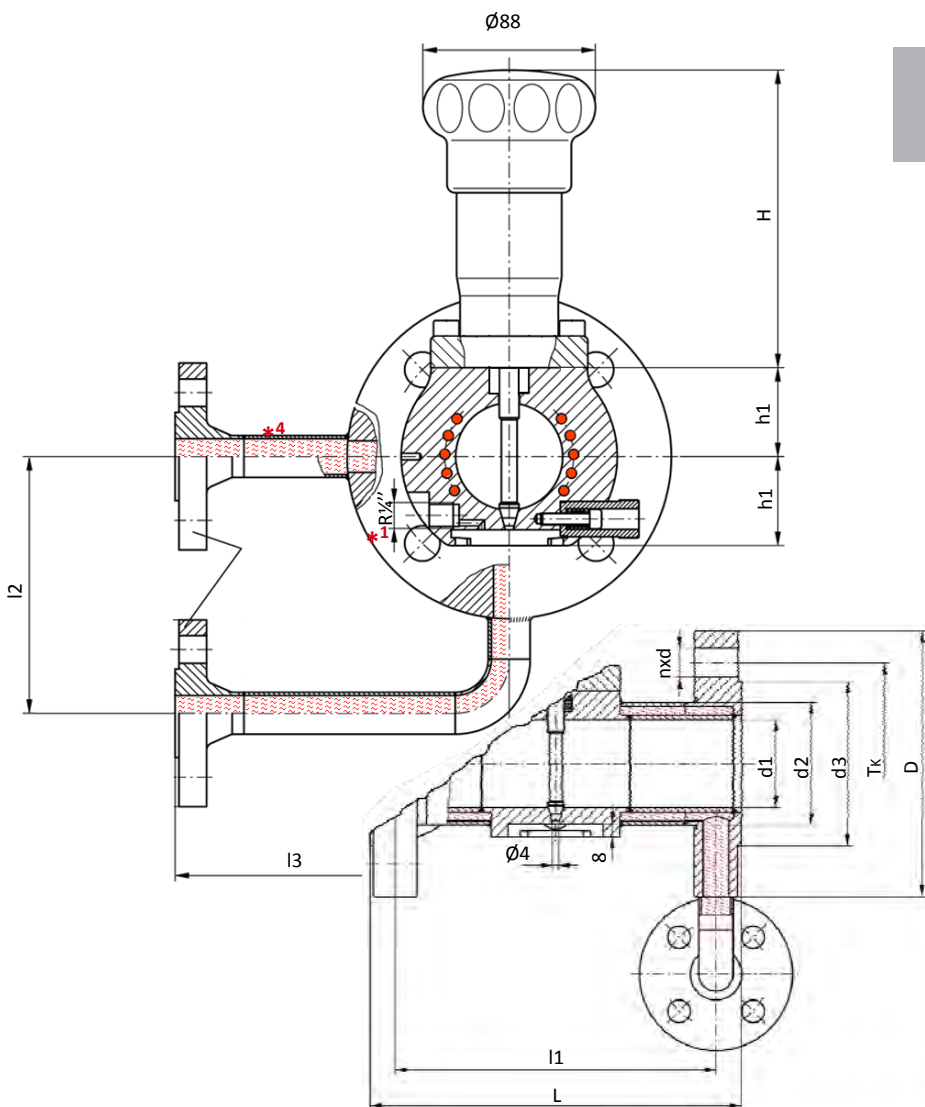
ANSI													
ANSI	L	H	h1	h2	h3	d1	D		Tk		nxd		kg
	150#/300#						150#	300#	150#	300#	150#	300#	
1	60	152	51.5	43	21	36	115		79.2	88.9	4x15.7	4x19.1	
1½	60		70.5	49.5		50	150		98.6	114.3		4x22.4	
2	60		77.5	56		62	165		120.7	127		4x19.1	8x19.1

	TS (°F/°C)	-20/-29	0/-18	200/94	300/149	400/205
PS	150# (psi/bar)	230 / 16	230 / 16	195 / 14	175 / 12	160 / 11
	300# (psi/bar)	230 / 16	230 / 16	230 / 16	230 / 16	230 / 16

¹ other material on request p.3.010

**SS SAMPLING VALVE
WITH HEATING JACKET
HORIZONTAL LINE
(VERTICAL LINE²)
MULTIPLE FUNCTION**

Material ³
316L / 1.4435 / 1.4404 / PTFE



Dimensions in mm

ANSI																
ANSI	L	I1	I2	I3	H	h1	d1	d2	d3	D		Tk		nxd		kg
	150#/300#									150#	300#	150#	300#	150#	300#	
½	203	176	92	120	152	27	17.3	33.7	35.1	89	95	60.5	66.6	4x15.7		
1			106			320	28.5	48.3	50.8	108	124	79.2	88.9	4x15.7	4x19.1	7.3
1½			111			40	43.1	76.1	73.2	127	156	98.6	114.3		4x22.4	
2			123			45	54.5	91.9	152	165	120.5	127	4x19.1	8x19.1		
3			---	59		82.5	114.3	127	190	210	152.4	168.1				
4	229	141	202	170		72	107	---	139.7	229	254	190.5	200.2	8x19.1	8x22.4	

ANSI						*4 HEATING JACKET			
	TS (°F/°C)	<100 / <40	200 / 100	300 / 150	400 / 200		½" / 150lbs	PS: 160psi @ 400°F TS: -20 / 400°F	(11bars @200°C)
PS	150lbs (psi/bar)	232 / 16	195 / 14	175 / 12	160 / 11		¾" / 300lbs	PS: 415psi @ 400°F TS: -20 / 400°F	(28bars @200°Cc)
	300lbs (psi/bar)	232 / 16	232 / 16	232 / 16	232 / 16				

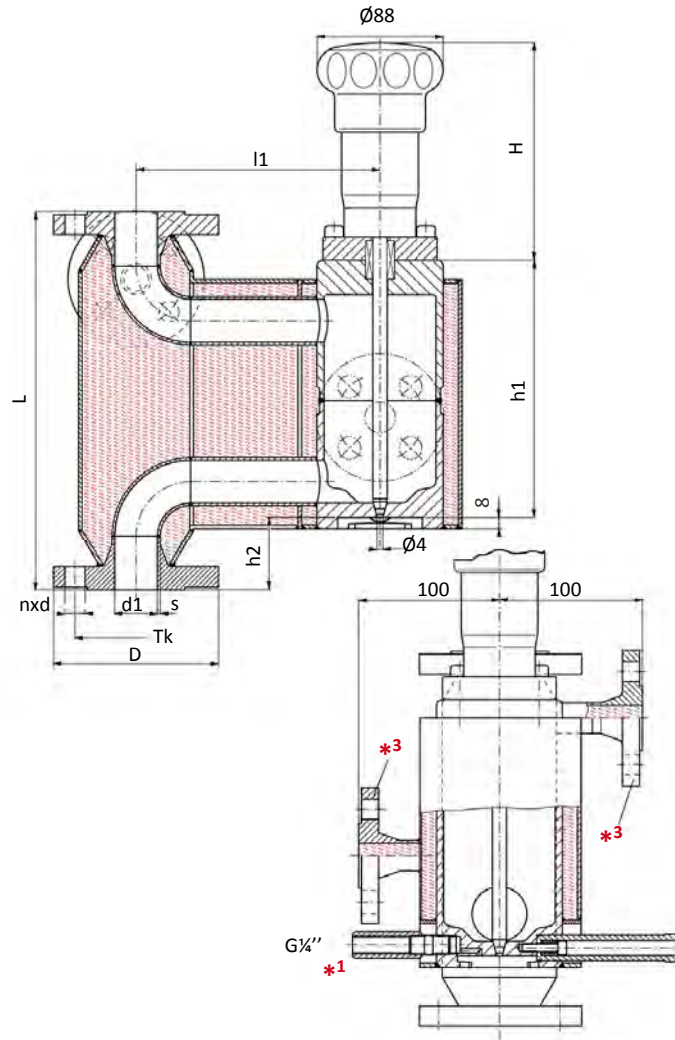
¹ vent hole connection p.5.010

² for ex. with elbow adapter p.4.020

³ other material on request p.3.010

**SS SAMPLING VALVE
WITH HEATING JACKET
VERTICAL LINE
MULTIPLE FUNCTION**

Material²
316L / 1.4435 / 1.4404 / PTFE



Dimensions in mm

ANSI														
ANSI	L	H	l1	h1	h2	s	d1	D		Tk		nxd		kg
	150#/300#							150#	300#	150#	300#	150#	300#	
½	268	152	170	179	44	1.6	18.1	89	95	60.5	66.6	4x15.7		
1	296				52		29.7	108	124	79.2	88.9	4x15.7	4x19.1	
1½	332		210		67	44.3	127	156	98.6	114.3	4x22.4			
2	365			240	67	2.6	55.1	152	165	120.7	127	4x19.1	8x19.1	
3	478		113		83.7		190	210	152.4	168.1				
4	599		290	298	298		109.1	229	254	190.5	200.2	8x19.1		
	PS							*3 HEATING JACKET						
PS	150# (psi/bar)		232 / 16	195 / 14	175 / 12	160 / 11		½" / 150lbs		PS: 160psi @ 400°F TS: -20 / 400°F (11bars @200°C)				
	300# (psi/bar)		232 / 16	232 / 16	232 / 16	232 / 16		½" / 300lbs		PS: 415psi @ 400°F TS: -20 / 400°F (28bars @200°C)				

¹ vent hole connection p. 5.010

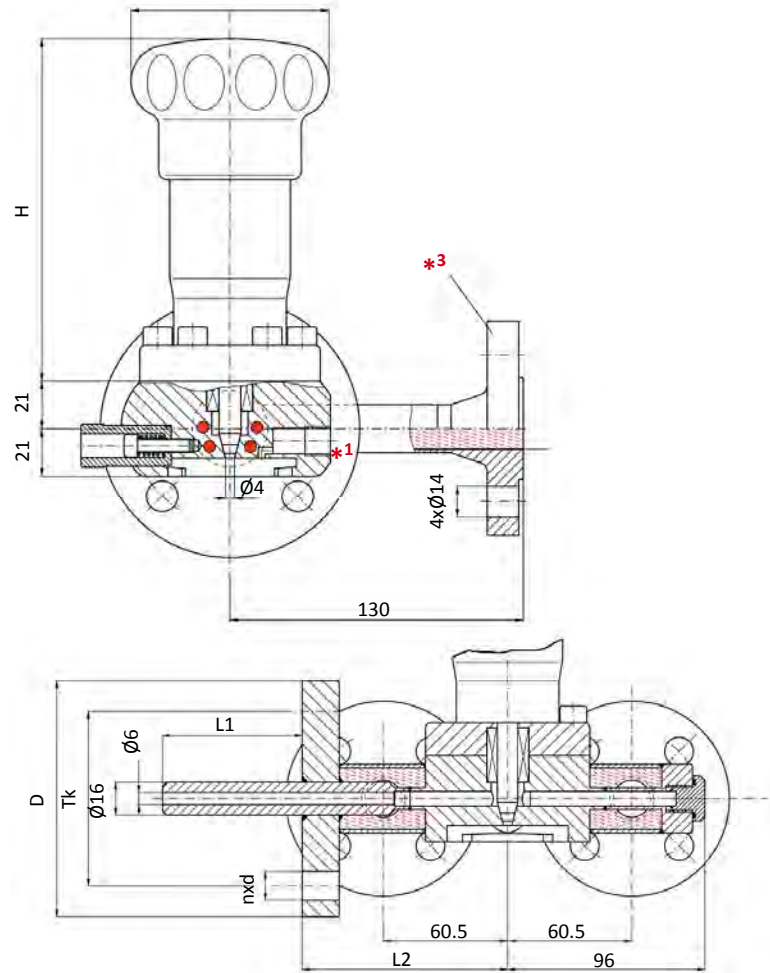
² other material on request p.3.010

Ø88

1

**SS SAMPLING VALVE
WITH HEATING JACKET
LATERAL ASSEMBLY
MULTIPLE FUNCTION**

Material²
316L / 1.4435 / 1.4404 / PTFE

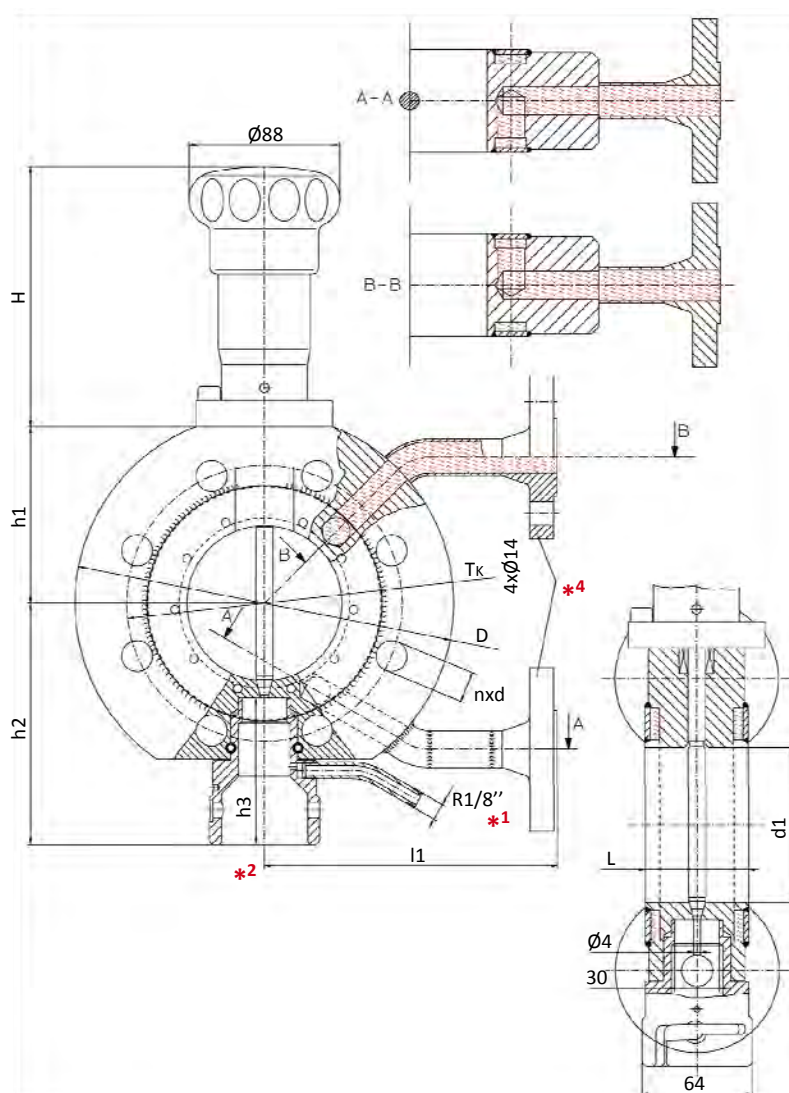


Dimensions in mm

ANSI											
ANSI	L1	L2	H	s	D		Tk		nxd	kg	
	150#/300#				150#	300#	150#	300#	150#		300#
½	100	100	152	---	89	95	60.5	66.6	4x15.7		
¾					98	117	69.9	82.6	4x15.7	4x19.1	
1					108	124	79.2	88.9			
1¼					117	133	88.9	98.6			
1½					127	156	98.6	114.3			
2					152	165	121	127	4x19.1	8x19.1	~7.9
2½					178	190	140	149.4			
3					190	210	152	168.1			
4					229	254	191	200.2		8x19.1	
6					279	318	241.3	269.7	8x22.4	12x22.4	
PS	TS (°F/°C)	<100 / <40	200 / 100	300 / 150	400 / 200	*3 HEATING JACKET					
	150#	232 / 16	195 / 14	175 / 12	160 / 11	¾" / 150lbs PS: 160psi @ 400°F TS: -20 / 400°F					
	300#	232 / 16	232 / 16	232 / 16	232 / 16	½" / 300lbs PS: 415psi @ 400°F TS: -20 / 400°F					

SS SAMPLING VALVE WITH HEATING JACKET WAFER TYPE HORIZONTAL LINE

Material³
316L / 1.4435 / 1.4404 / PTFE



Dimensions in mm

DIN – EN														
DN	H	h1	h2	h3	L	I1	d1	D		Tk		nxd		kg
	PN16/40							PN16	PN40	PN16	PN40	PN16	PN40	
25	152	60.5	113	85	60	178.5	36	145				4x14		
50		85.5	126			183.8	62	189				4x18		
80		103	140			203	90	220				8(4)x18	8x18	
100		120.5	153			216.5	254	254				8x18	8x22	

	TS (°F/°C)	<100 / <40	200 / 100	300 / 150	400 / 200
PS	150lbs	232 / 16	195 / 14	175 / 12	160 / 11
	300lbs	232 / 16	232 / 16	232 / 16	232 / 16

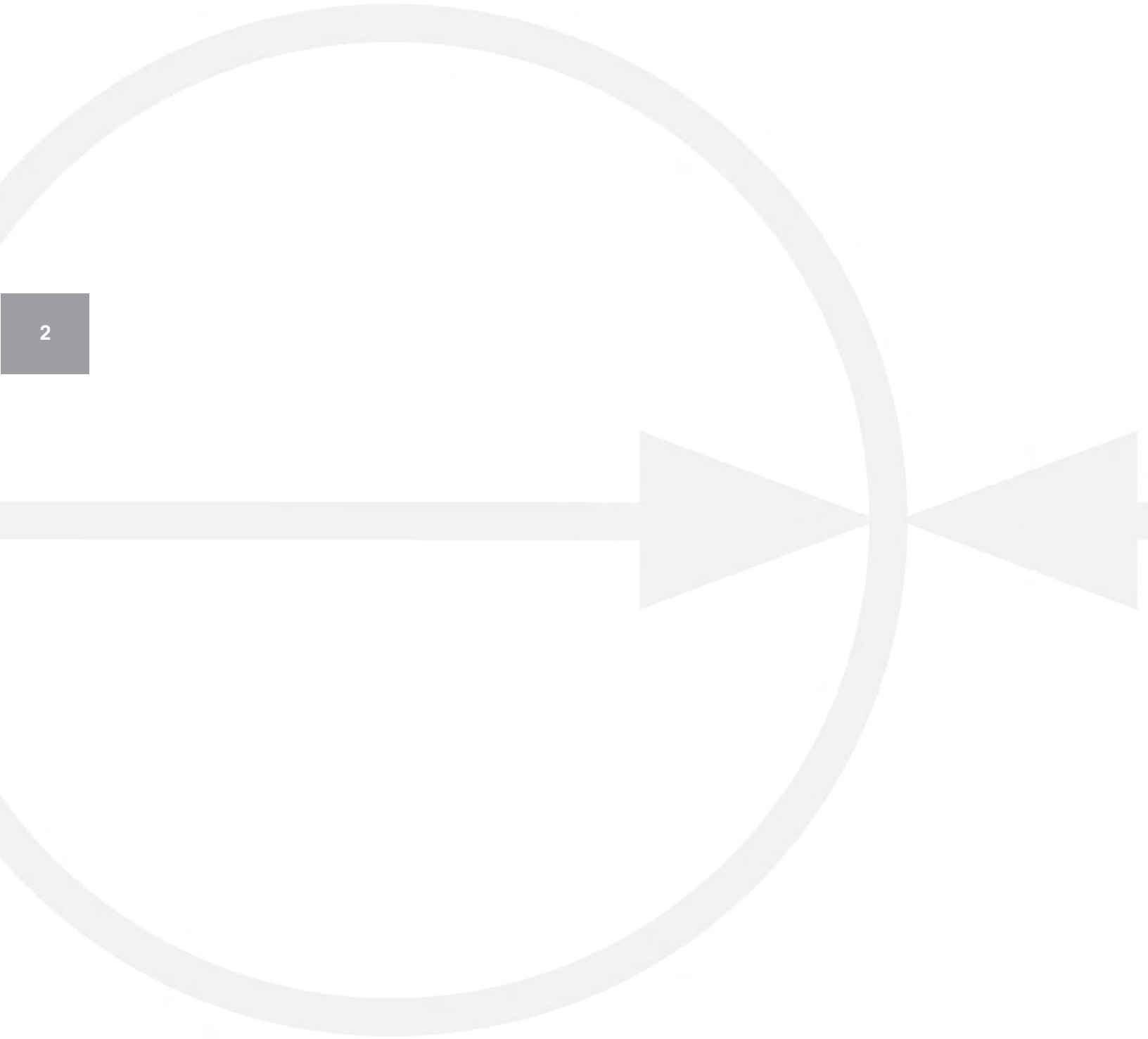
*4 HEATING JACKET	
½” / 150lbs	PS: 160psi @ 400°F TS: -20 / 400°F (11bars @200°C)
½” / 300lbs	PS: 415psi @ 400°F TS: -20 / 400°F (28bars @200°Cc)

¹ vent hole connection p.5.010

² accessories on demand

³ other material on request p.3.010





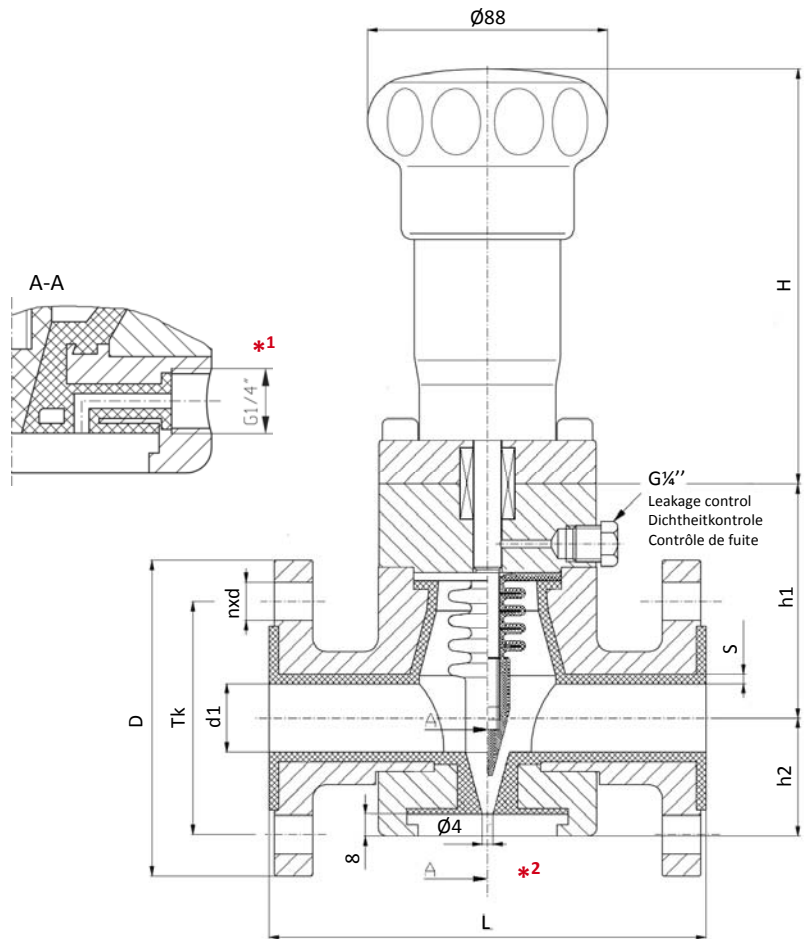
PFA LINED VALVES



2

**SAMPLING VALVE WITH PFA LINING
WITH FLANGES
HORIZONTAL LINE
(VERTICAL LINE ²)
MULTIPLE FUNCTION**

Material ³
EN-JS1049 (Ductile iron) / PFA



Dimensions in mm

ANSI										
ANSI	L	H	h1	h2	s	d1	D	Tk	nxd	kg
	150#						150#	150#	150#	
½	127 (130)	152	75	19	3.5	15	89	60.5	4x15.7	5.9
1	127		85	25		25	108	79.2		7.3
1½	165		103	32		40	127	98.6		9.5
2	178		110	37.5		50	152	120.7	11.2	
3	203		128	52		80	190	152.4	4x19.1	16.2
4	229		142	64.5		100	229	190.5		19.7
	TS (°F/°C)		356/180 max							
PS	150# (psi/bar)		166/11.5							

¹ vent hole connection p.5.010

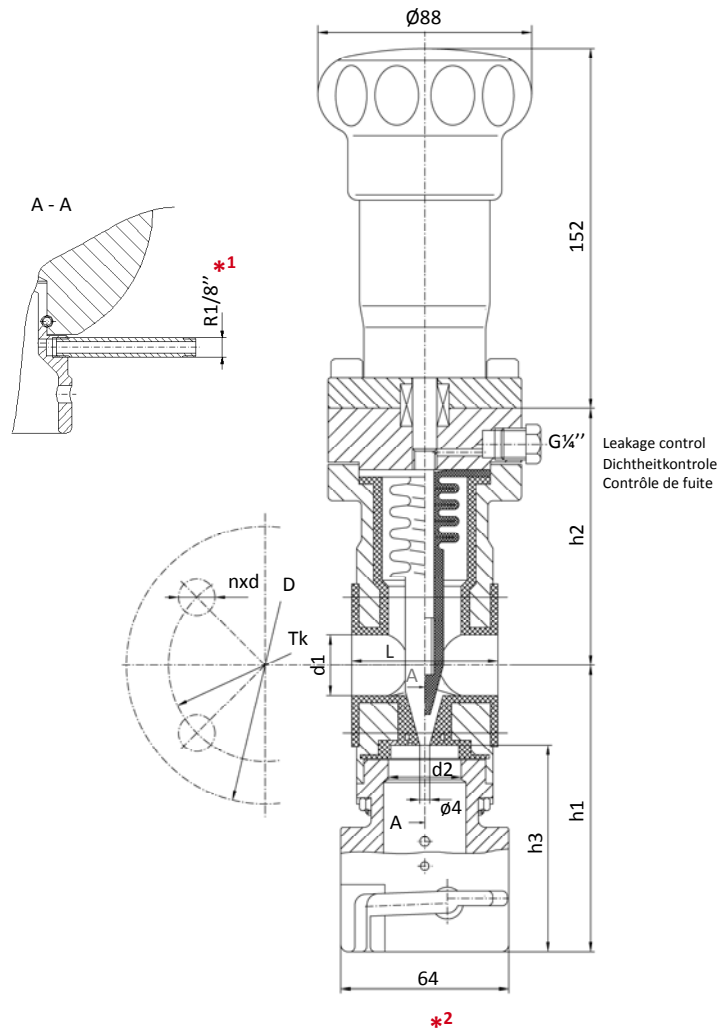
² for ex. with elbow adapter p.4.020

³ other material on request p.3.010

OPTION : heating jacket p.5.050

SAMPLING VALVE WITH PFA LINING
WAFER TYPE
HORIZONTAL LINE
MULTIPLE FUNCTION

Material
316L / 1.4435 / 1.4404
PFA



Dimensions in mm

ANSI											
ANSI	L	H	h1	h2	h3	d1	d2	D	Tk	nxd	kg
	150#							150#	150#	150#	
1	60	152	99.5	118	85	25	26	115	79.2	4x15	
2			146.5	131.5		50		165	120.7	4x19	
	TS (°F/°C)		356/180 max								
PS	150# (psi/bar)		166/11.5								

¹ vent hole connection p.5.010

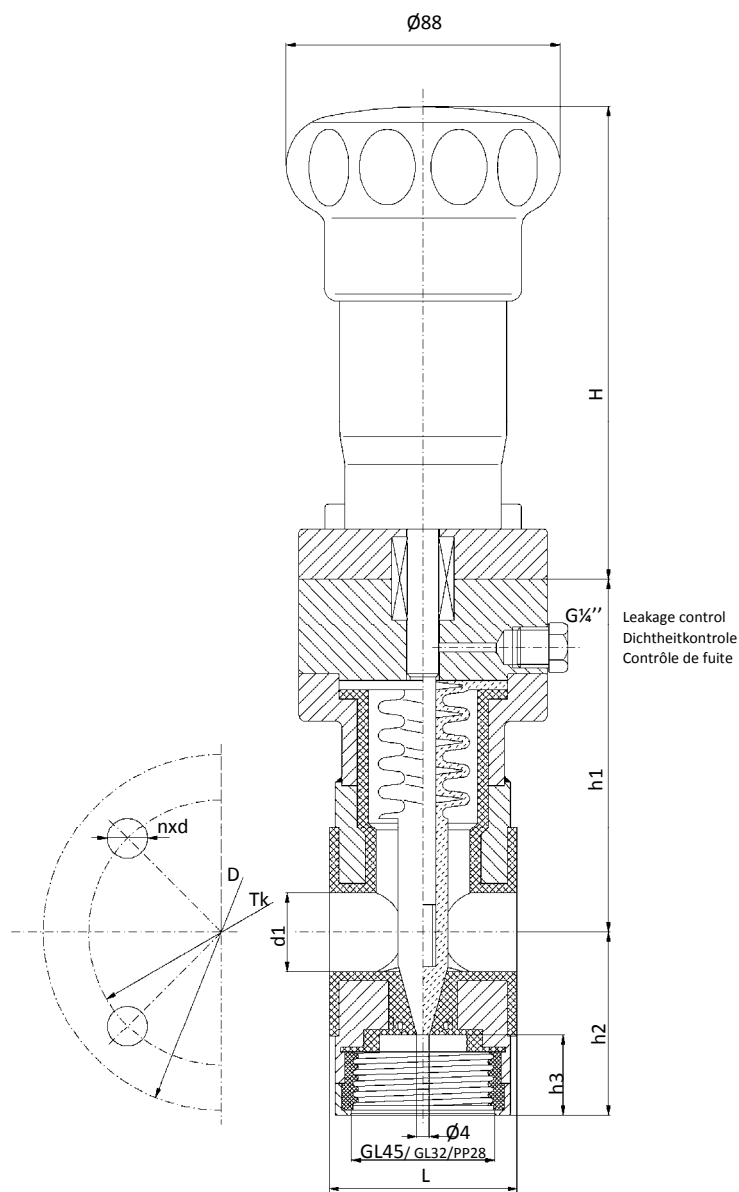
² accessories on demand

2

**SAMPLING VALVE WITH PFA LINING
WITH INTEGRATED THREAD ADAPTER
WAFER TYPE
HORIZONTAL LINE
TRADITIONAL RANGE**

Material

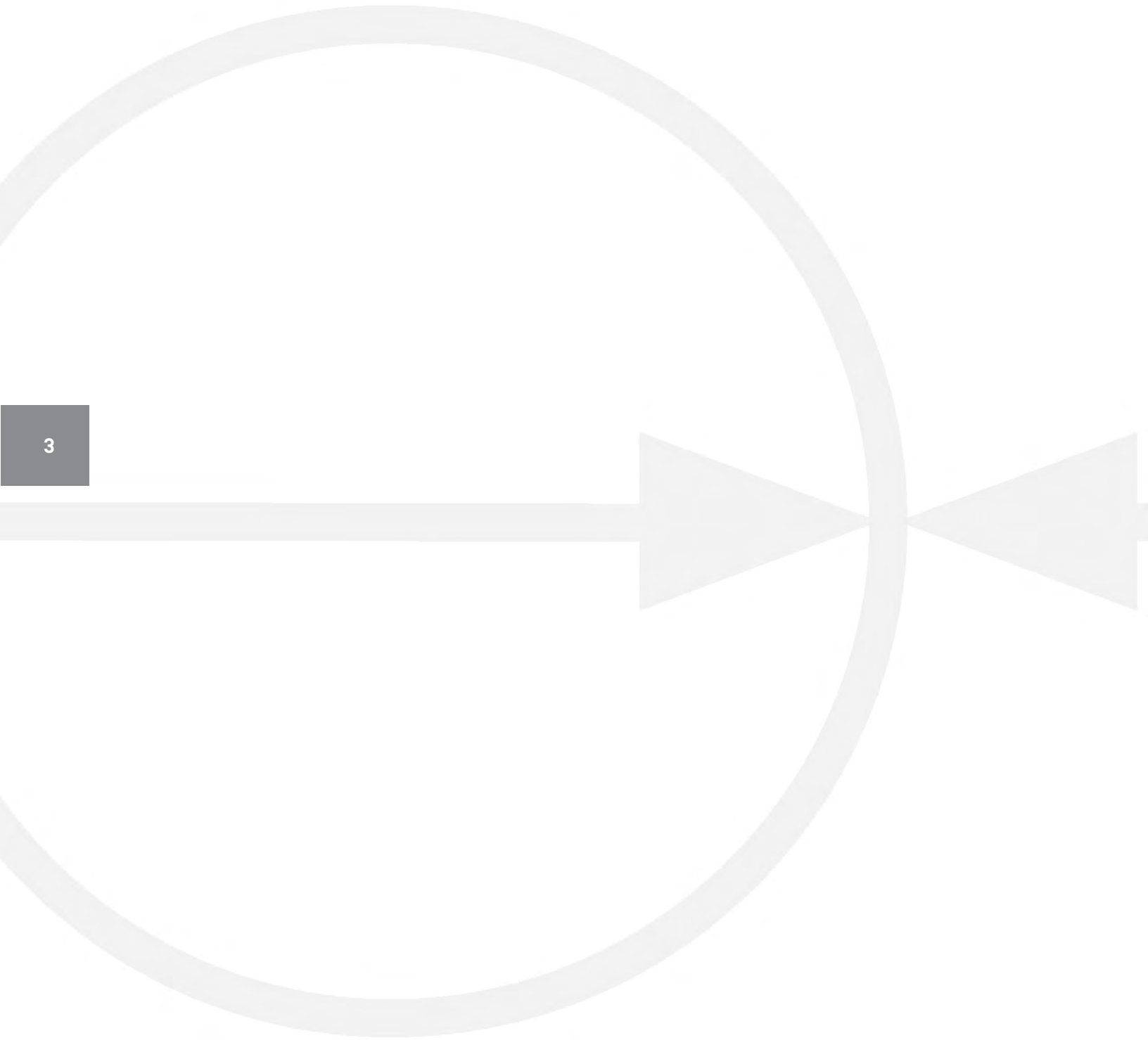
316L / 1.4435 / 1.4404
PFA



Dimensions in mm

ANSI													
ANSI	L	H	h1	h2	h3	d1	D		Tk		nxd		kg
	150#/300#						150#	300#	150#	300#	150#	300#	
1	60	152	90.5	48.5	15	25	115		79.2	88.9	4x15.7	4x19.1	
2			124	56.5	10	50	165		120.7	127	4x19.1	8x19.1	
		TS (°F/°C)		356/180 max									
PS		150# (psi/bar)		166/11.5									





VARIANTS [MATERIALS, ACTUATORS,...]

3



MATERIALS

INFOS

3

316L / 1.4404 / 1.4435

304L / 1.4306 / 1.4307

904L / 1.4539

HASTELLOY®

MONEL®

TANTAL

TITANE

ZIRCONIUM

DUPLEX

STELLITE®

other material on request

STUFFING BOX

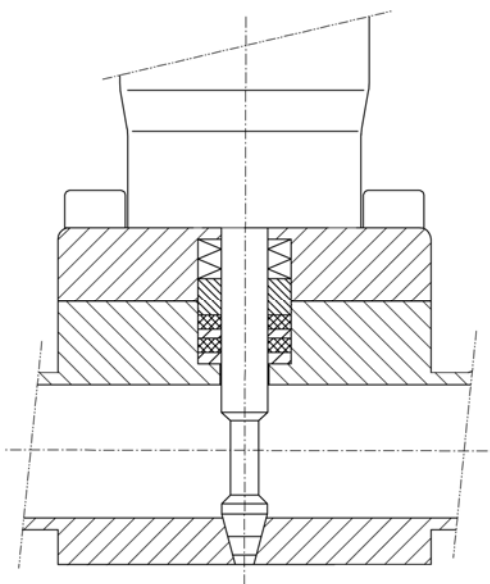
Material

316L / 1.4435/1.4404/ ...

TA-LUFT 

Simple (SP)

T. / Material

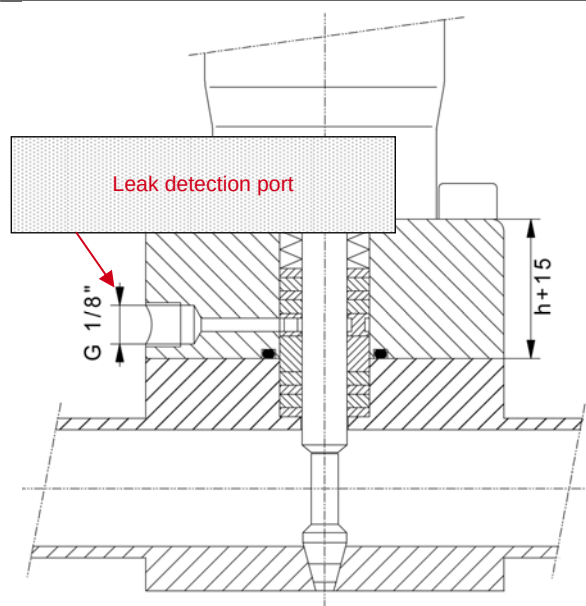


°C	°F	max		
400	752	PTFE	PTFE Carbon	GRAPHITE
300	572			
280	536			
250	482			
200	392			
190	374			
180	356			
150	302			
100	212			
50	122			
0	32	PTFE	PTFE Carbon	GRAPHITE
-10	14			
-20	-4			
-40	-40			
Temp.		min		

3

Double (DP)

T. / Material / O-RING



S

°C	°F	max		
326	620	PTFE / <u>FEP</u>		PTFE Carbon / <u>FFKM</u>
300	572			
280	536			
250	482			
200	392			
190	374			
180	356			
150	302			
100	212			
50	122			
0	32	PTFE / <u>FEP</u>	PTFE Carbon / <u>FFKM</u>	GRAPHITE / <u>KALREZ 7075</u>
-10	14			
-20	-4			
-40	-40			
Temp.		min		

O-RING

BELLOWS SEAL

TA-LUFT 

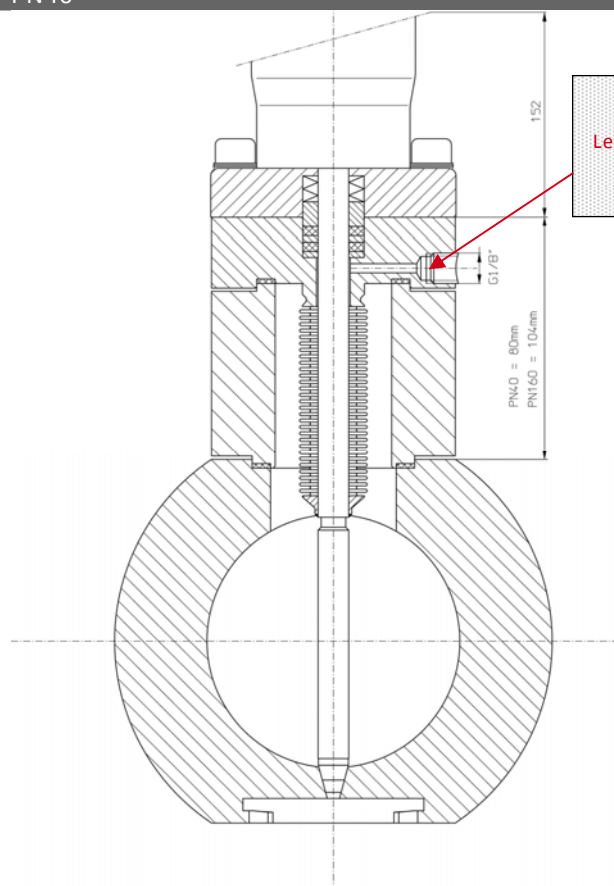
Material

316L / 316Ti / 1.4571/1.4435/1.4404

PN40

T. / Material

3



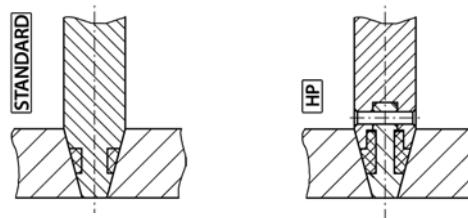
°C	°F	max		
400	752	PTFE	PTFE Carbon,	GRAPHITE
300	572			
280	536			
250	482			
200	392			
190	374			
180	356			
150	302			
100	212			
50	122			
0	32	Temp.	min	
-10	14			
-20	-4			
-40	-40			

OPTIONS

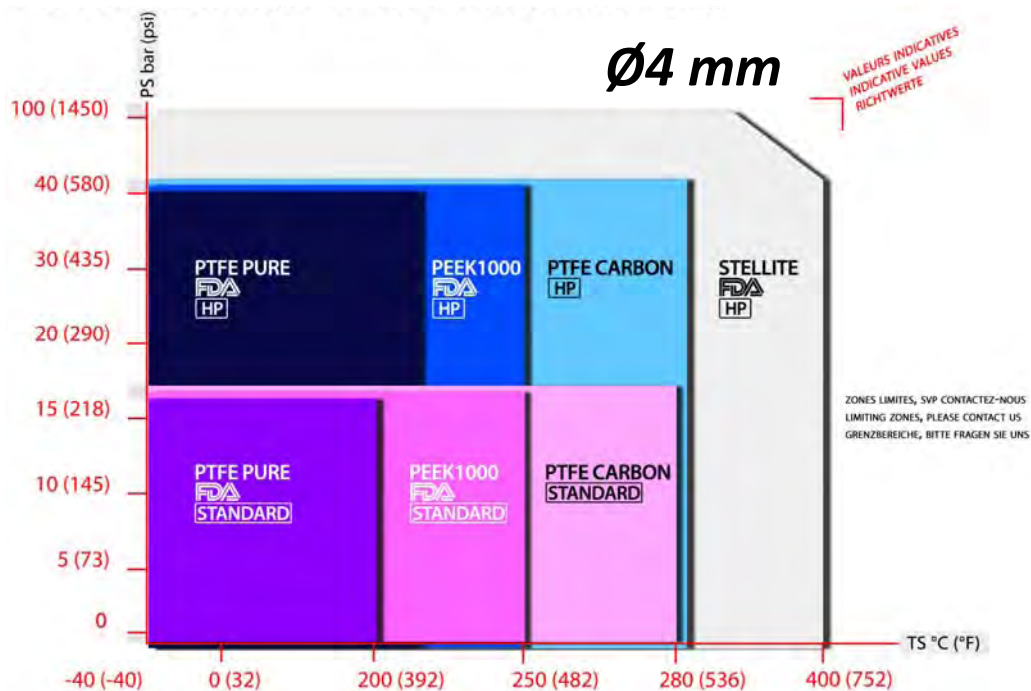
PN160

PN160 PS max. = 70 bars (1015 psi)

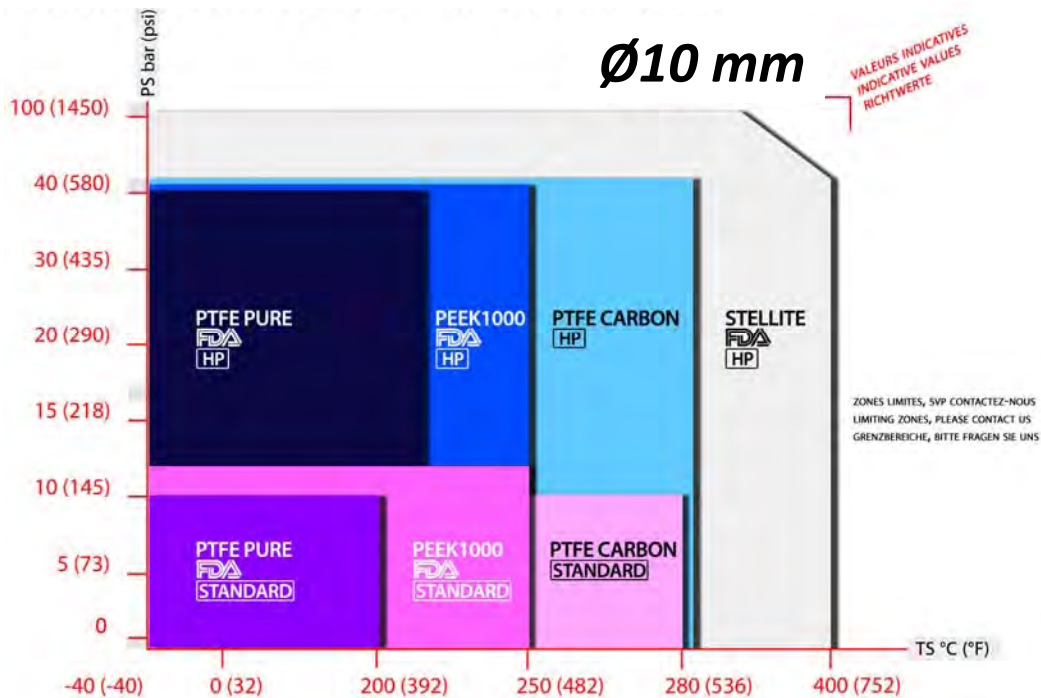
STEM GASKET



OUTLET DIAMETER



OUTLET DIAMETER



SPRING TO CLOSE HAND WHEEL
(MAGIC WHEEL)

MATERIAL

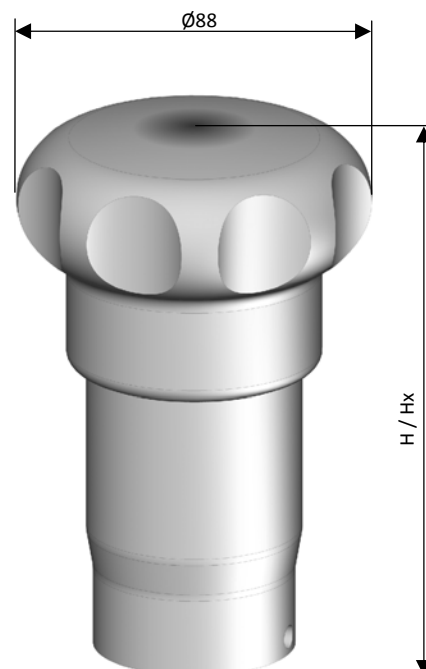
316L / 1.4435 / 1.4404

	°C	°F
T min.	-20	-4
T max.	+200	+392

IP CODE

INTERNATIONAL STANDARD IEC 60529
PROTECTION RATING

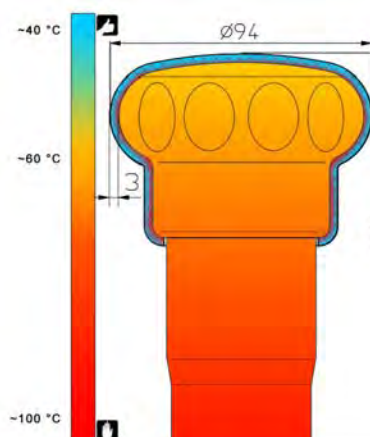
IP67



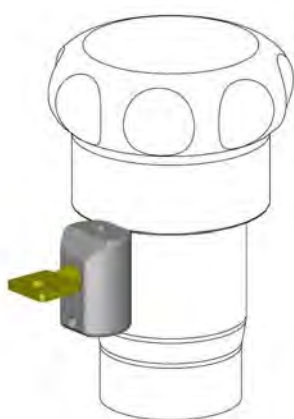
	H	Hx
Multifunct. Syst	152	
Tradition. Syst.		176

OPTIONS

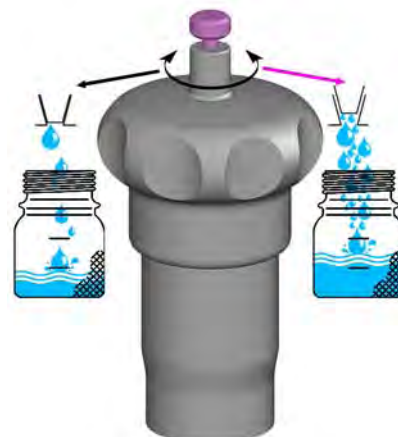
PFA PROTECTION (VPB)



KEY LOCK (VVB)



STROKE LIMITER (VLB)

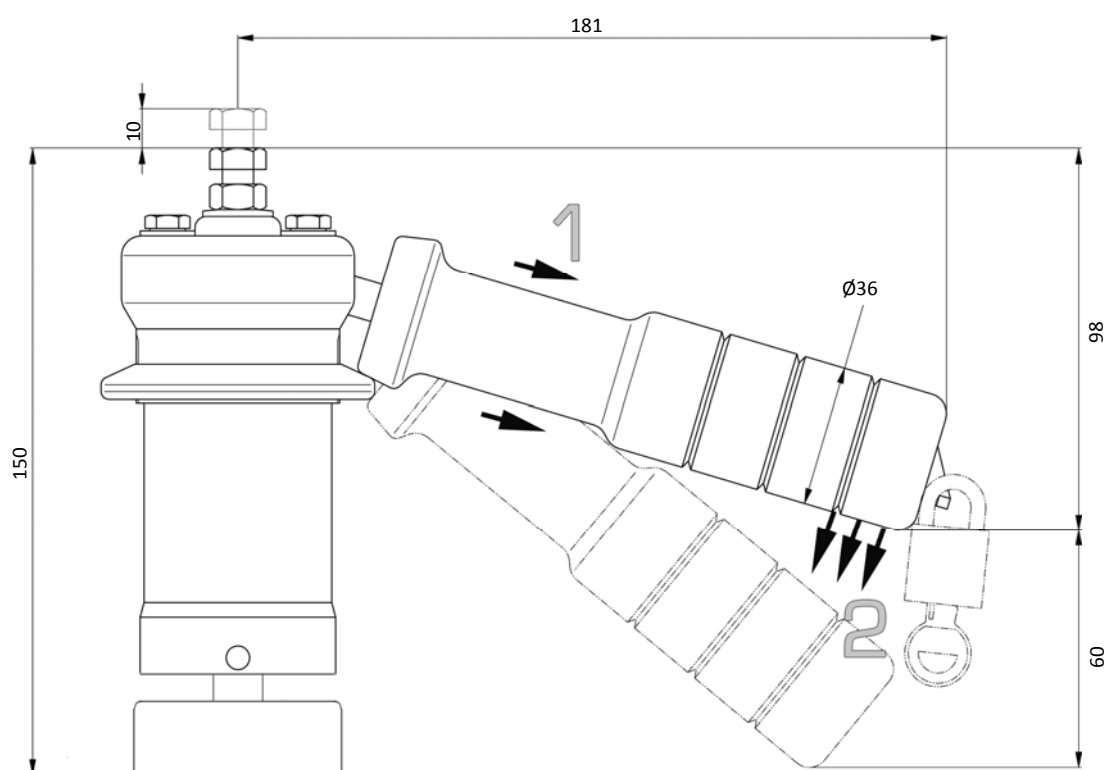


Option T. > 200°C (+392 °F) : 100mm Extension p.5.040

SPRING TO CLOSE HAND LEVER

Material

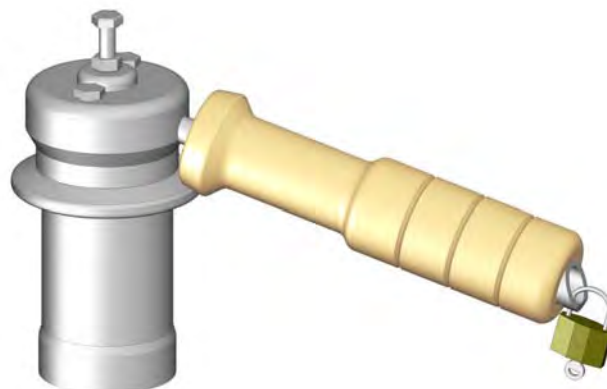
316L / 1.4435 / 1.4404 / PP



3

OPTION

KEY LOCK



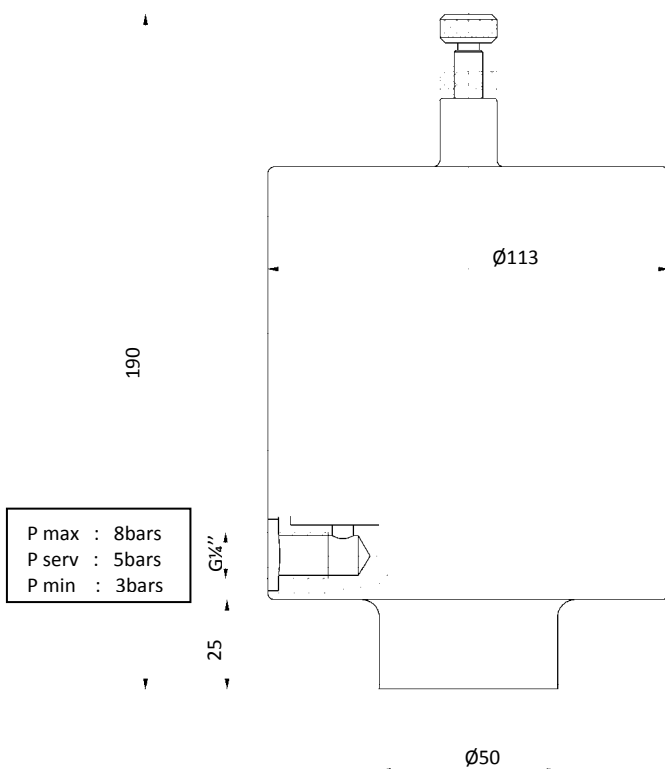
Option T. > 200°C (+392 °F) : 100mm Extension p. 5.040

PNEUMATIC DRIVE

Material

^316L / 1.4435 / 1.4404

3



P max : 8bars
P serv : 5bars
P min : 3bars

T min.	°C (°F)	-20 (-4)
T max		+200 (+392)

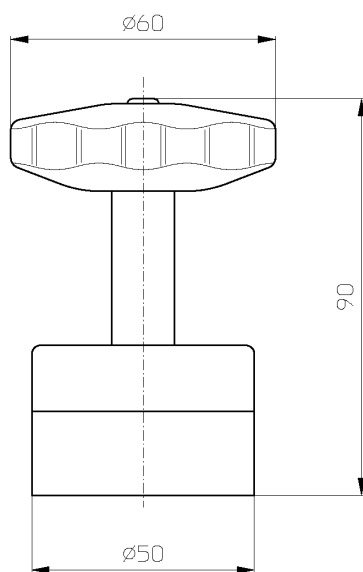
MANUAL HAND WHEEL

Material

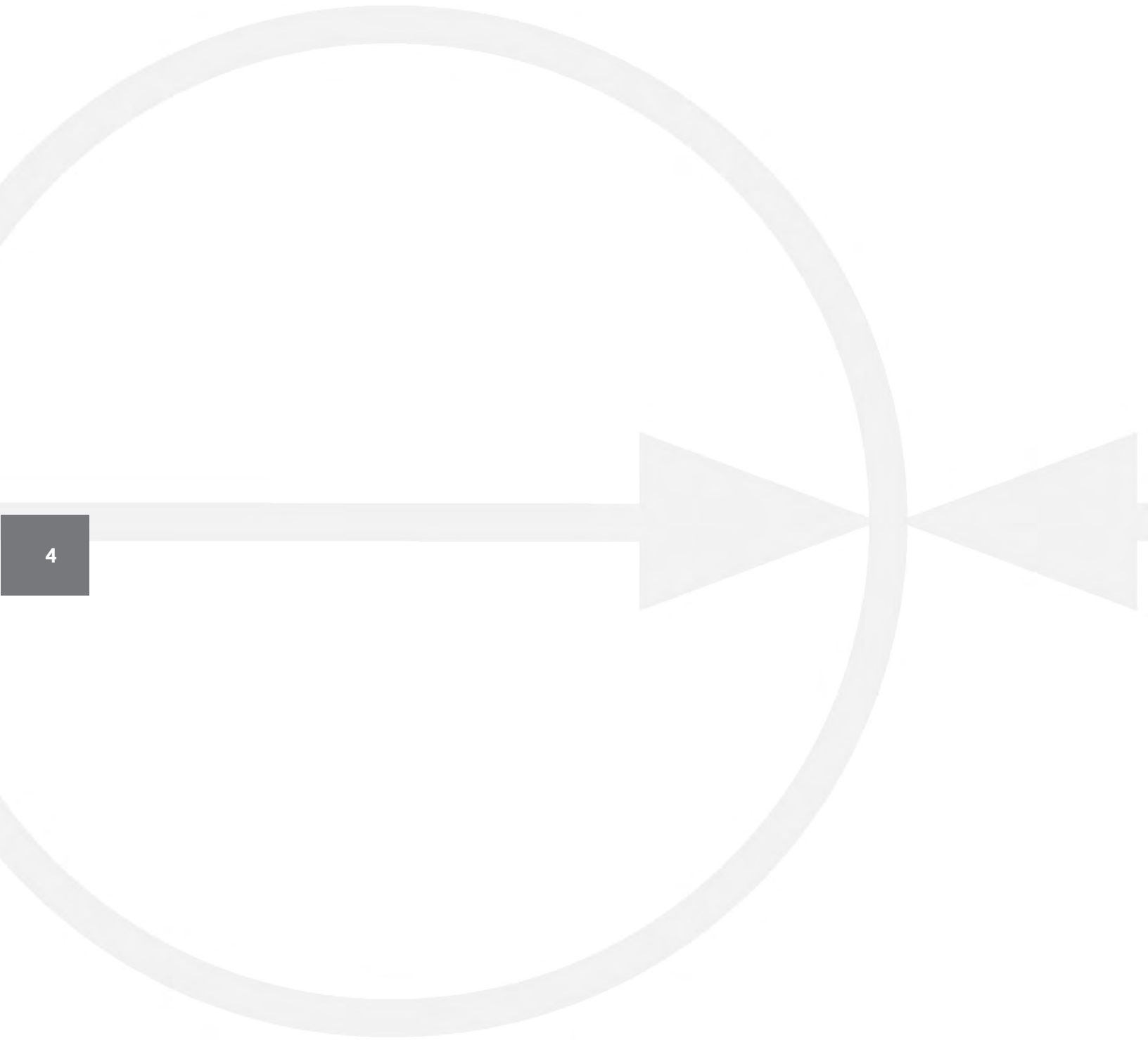
316L / 1.4435 / 1.4404 / ...



3



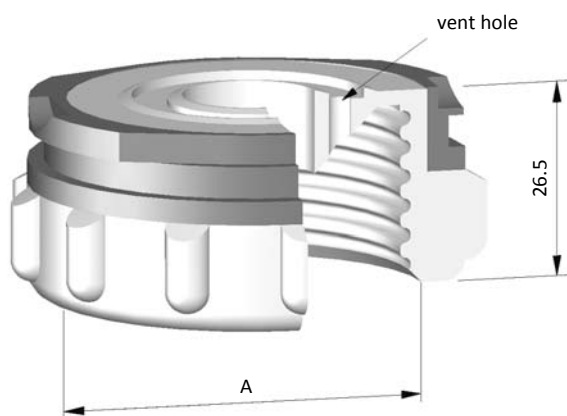
Option T. > 200°C (+392 °F) : 100mm Extension p. 5.040



ACCESSORIES



**THREAD ADAPTER
FOR LABORATORY BOTTLE**



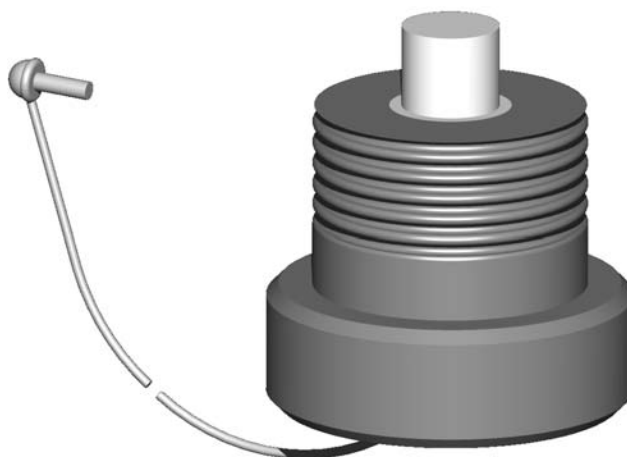
Material¹
304L / 1.4301 / PFA / antistat. PFA

4

A
GL45
GL32
PP28
OTHER ON REQUEST

OPTION :

**SAFETY PLUG
FOR THREAD ADAPTER**



Material¹
PP / PTFE

¹ other material on request

**ELBOW ADAPTER
FOR LABORATORY BOTTLE**

Material¹
304L / 1.4301 / PTFE



4

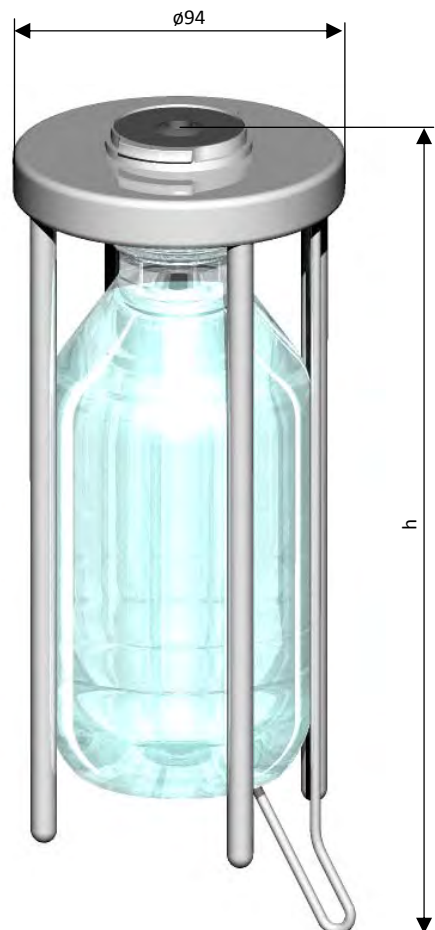
A
GL32
GL45
PP28
OTHER ON REQUEST

¹ other material on request

BOTTLE HOLDER
FOR LABORATORY BOTTLE

Material ¹
1.4301 / PTFE / LUBRIFLON® 225
(PTFE + 25% CARBON)

4



Volume / Capacity / Inhalt	Dimensions / Abmessungen
ml	h (mm)
50	140
100	150
250	200
500	230
1000	300

OPTIONS

Bottle heat protection **p. 5.060**

Splash protection **p. 5.070**

INFOS

Bottle **p. 5.020**

¹ other material on request

**NEEDLE ADAPTER WITH BOTTLE HOLDER
FOR SEPTUM BOTTLE**

Material¹

PTFE / FEP / FPM (Viton®) / FFKM (Kalrez®)

Needles:

316L / 1.4404 / Hastelloy® C276



4

Volume / Capacity / Inhalt	Dimensions / Abmessungen
ml	h (mm)
50	150
100	163
250	203
500	240
1000	290

OPTIONS

Bottle heat protection **p. 5.060**

Splash protection **p. 5.070**

INFO

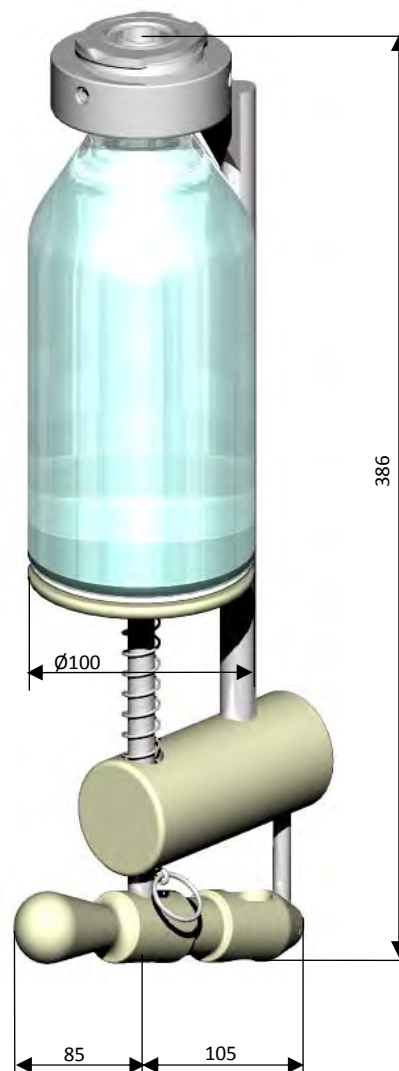
Bottle **p. 5.020**

¹ other material on request

ADJUSTABLE PLATE SUPPORT
WITH THREADLESS OR NEEDLE ADAPTER

Material ¹
1.4301 / PFA / PP

4



OPTION	
Safety plug	p. 4.010
Bottle heat protection	p. 5.060
Splash protection	p. 5.070
INFO	
Bottle	p. 5.020

¹ other material on request

PROTECTION BOX

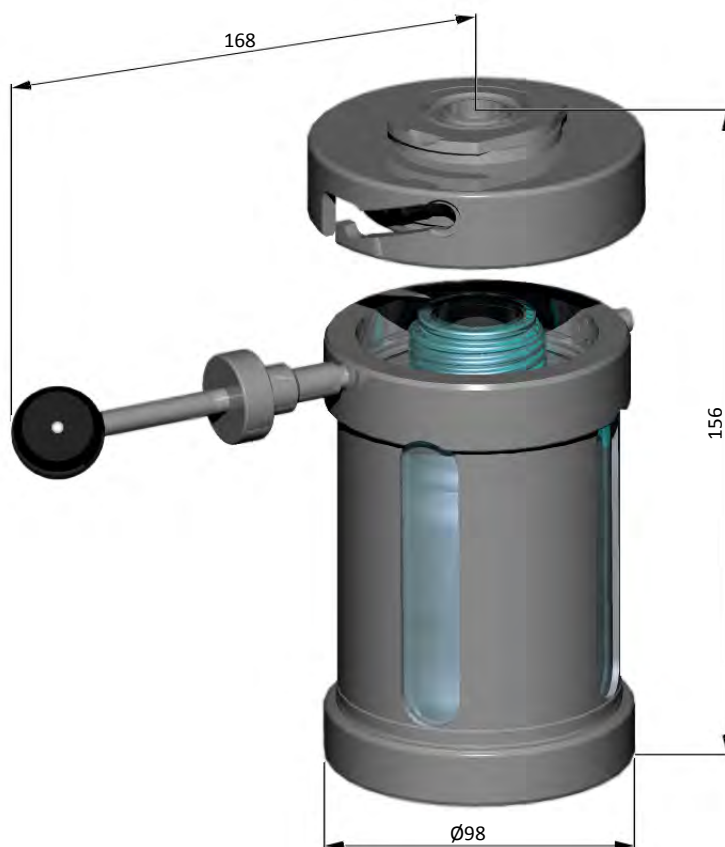
100 / 250 ML

Material¹

316L / 1.4435 / 1.4404 /
PFA / FEP / VITON / KALREZ / BOROSILICATE

PS 0.01 -> 6 bars
 0.15 -> 87psi

TS 150°C (302°F)



INFO

Bottle p. 5.020

¹ other material on request

BOTTLE HEAT PROTECTION
FOR SCHOTT BOTTLES 100/250ML

4

Material
PTFE / VITON

ADAPT.
GL45
OTHER ON REQUEST



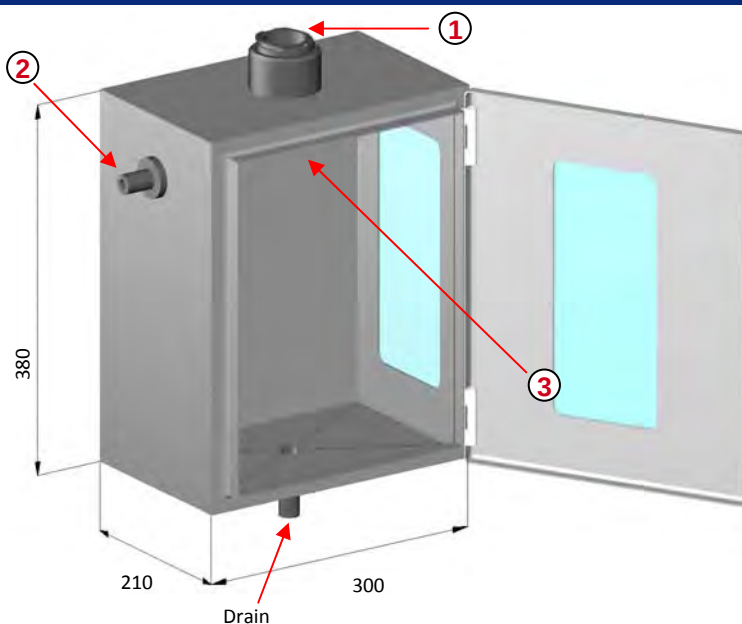
INFO

Bottle	p. 5.020
--------	----------

SAFETY CABINET

Material⁴
Stainless steel

Other dimensions on request



OPTIONS

1 Thread adapter with quick connection

ADAPT.	Face to Face
MFE-FAE	500mm
MFR-FAR	EN (DIN) / ANSI

2 Exhaust / vent

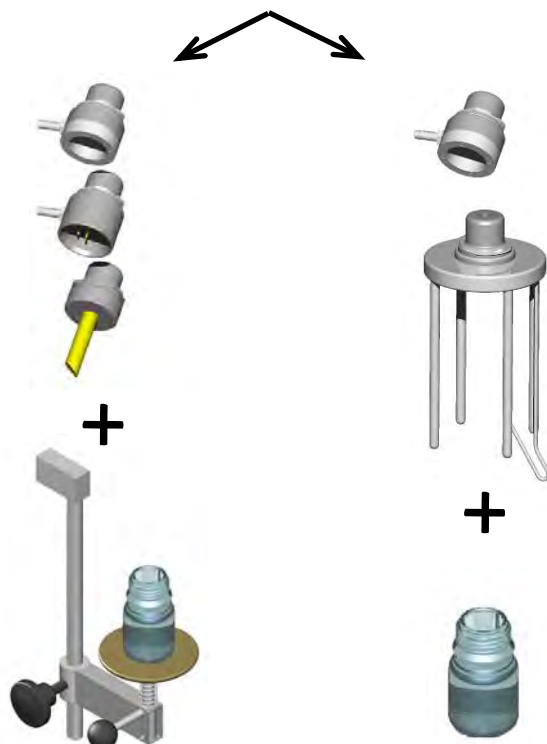
3 Accessories

Adapters

Thread adapter

Adjustable plate support

Bottle holder or
needle adapter



⁴ other material on request

REVO Box

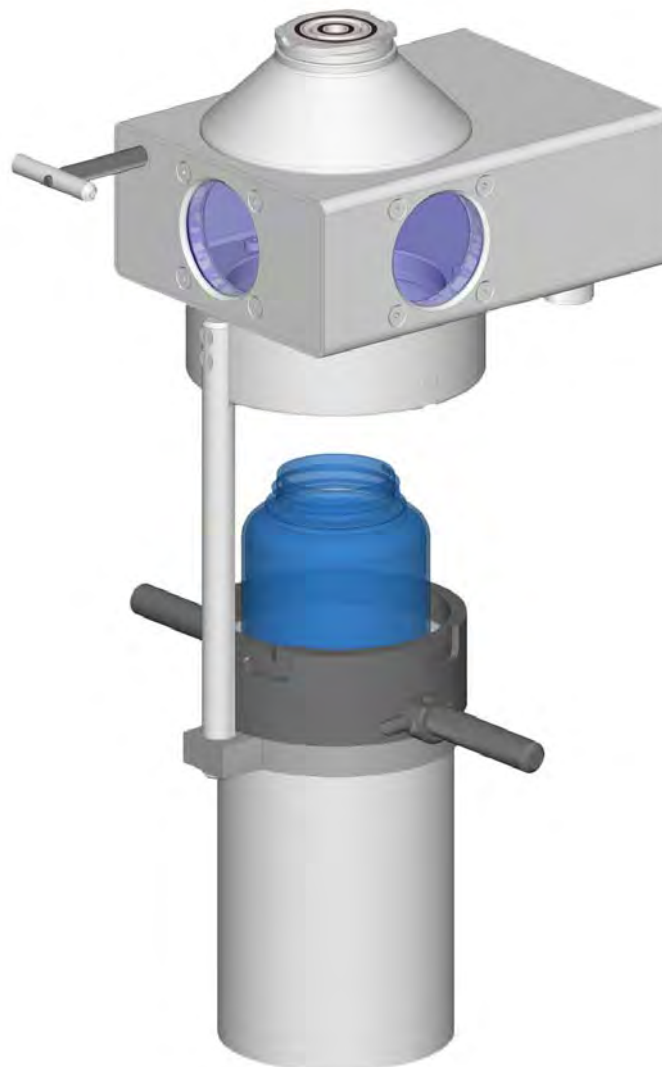
REVO BOX

BOTTLE
100 – 1000 ML

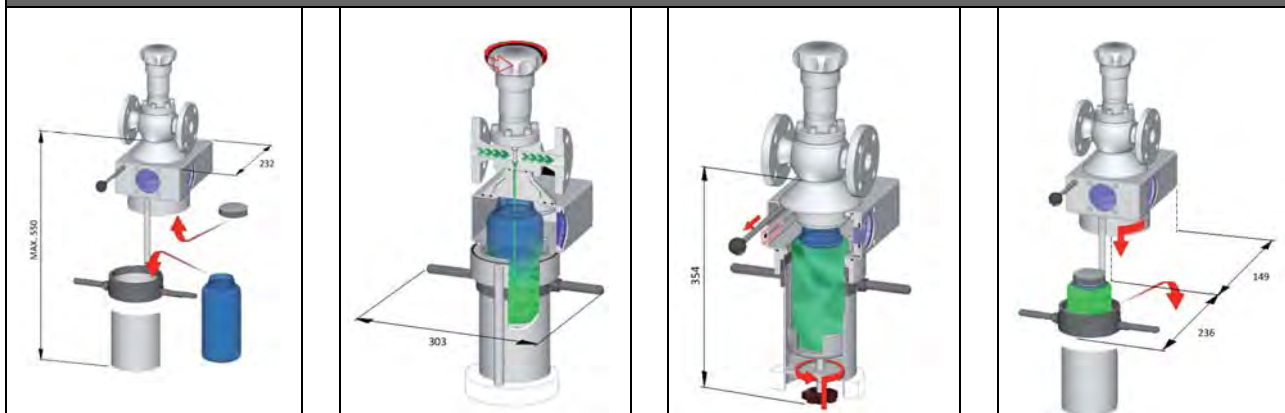
CLOSED SAMPLING
BOTTLE CAP CAN BE SCREWED
WITHOUT EXPOSURE / WITHIN THE
DEVICE

4

Material
on demand



INFO



PISTON INJECTOR
FOR MULTIFUNCTION VALVES

Material¹

316L / 1.4435 / 1.4404 /
PP / PTFE / VITON / KALREZ

Capacity
50 ml
100 ml

Advantage

Easy cleaning



4

OPTIONS

PFA coated	ZSP
Laboratory support	p. 4.120

¹ other material on request

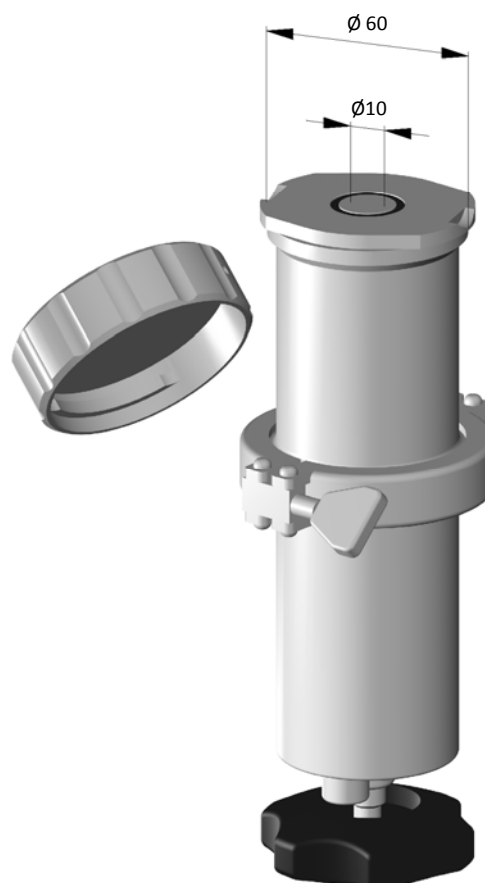
CONTAINER
FOR MULTIFUNCTION VALVES

4

Material¹
316L / 1.4435 / 1.4404 / FEP / PTFE

Capacity
50 ml
100 ml
300 ml

Other dimensions
On request



Advantage
Easy cleaning

VARIANTS

With sight glass ≥ 300 ml **ZLV**

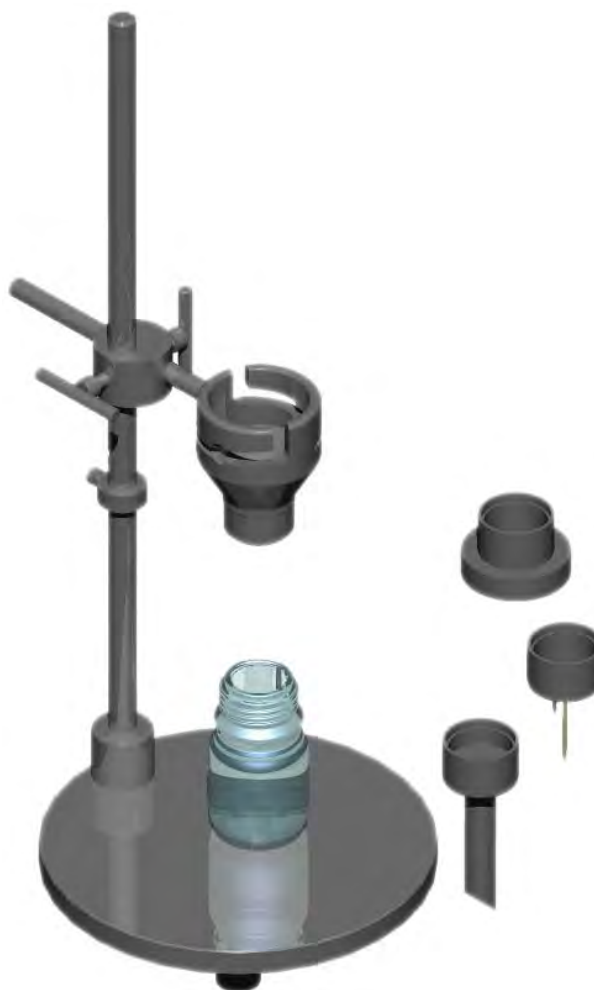
OPTIONS

Heat protection	
Laboratory support	p. 4.120

¹ other material on request

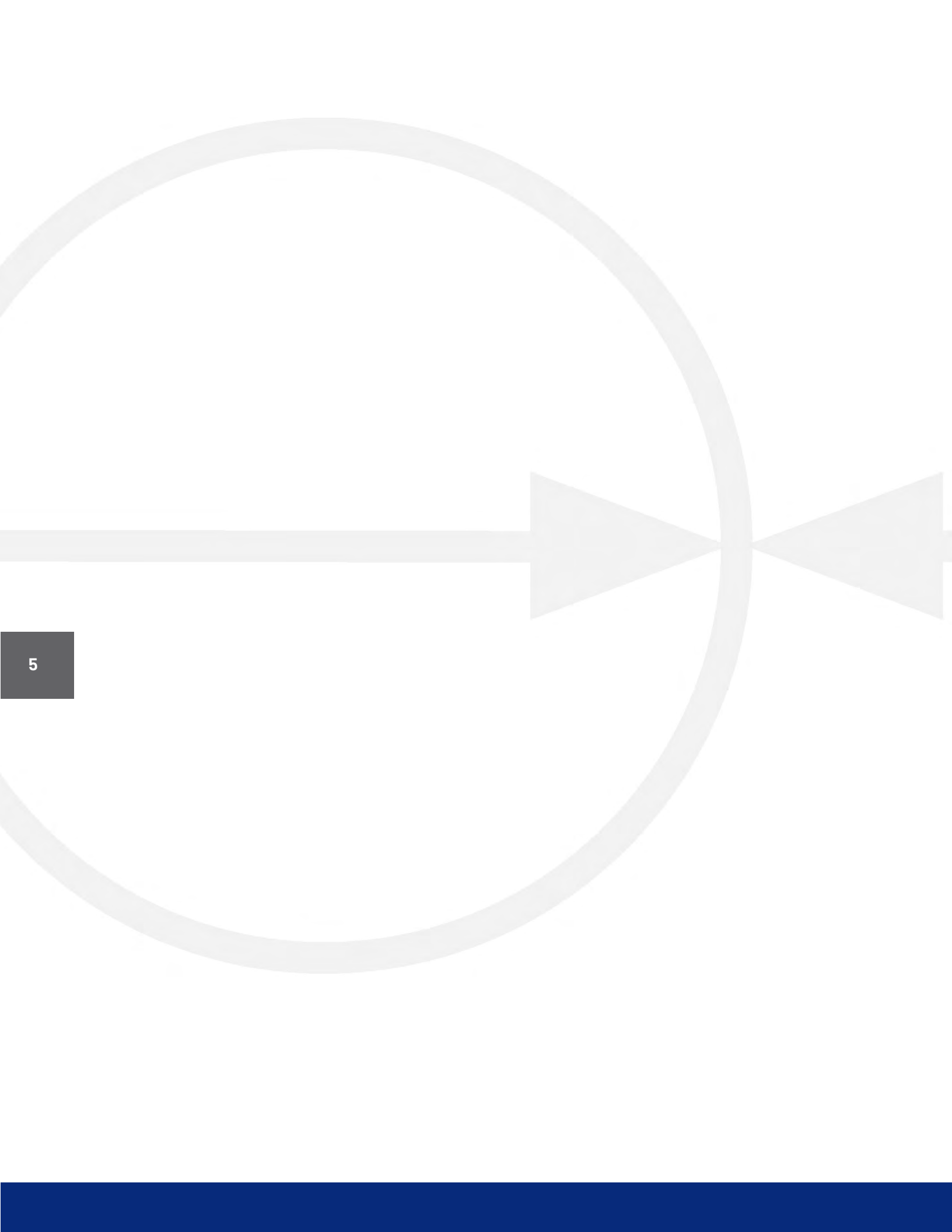
LABORATORY SUPPORT
FOR PISTON INJECTOR OR CONTAINER

Material
1.4301



4

INFO	
Piston injector	p. 4.100
Container	p. 4.110
Bottle	p. 5.020

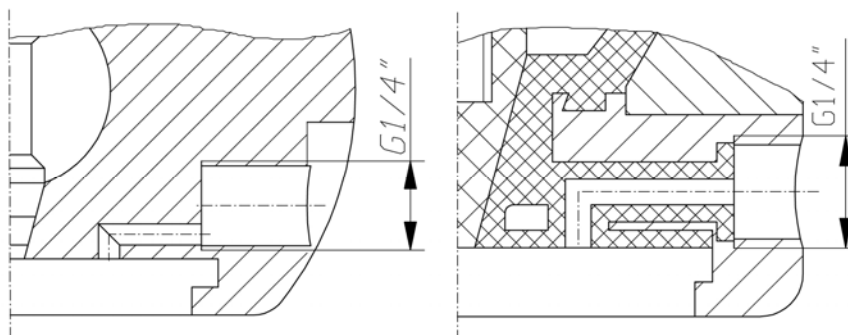


OPTIONS



CONNECTIONS

VENT / RINSING



1

2

3



Hose nipple
316L / 1.4404 / 1.4435 / PVDF



Elbow connection 90°
316L / 1.4404 / 1.4435 / PFA



Tube connexion
316L / 1.4404 / 1.4435

4

5

6



Flange connexion
316L / 1.4404 / 1.4435



Check valve
316L / 1.4404 / 1.4435



Plug
316L / 1.4404 / 1.4435

7

8

9



Ball Valve
316L / 1.4404 / 1.4435 / PVDF



Integral Bonnet Needle Valve
316L / 1.4404 / 1.4435



Ball valve
316L / 1.4404 / 1.4435

10



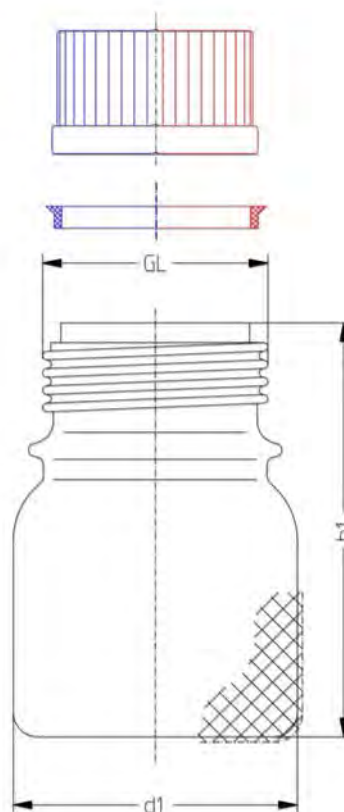
Active carbon filter + connexion R%
316L / 1.4404 / 1.4435

Other accessories on demand

LABORATORY BOTTLE
SCHOTT DURAN®

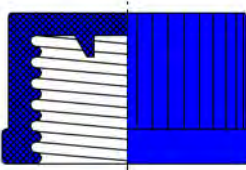
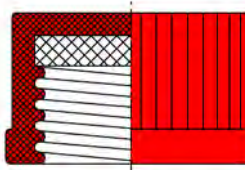
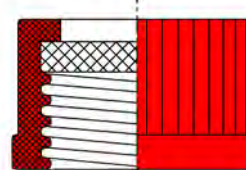
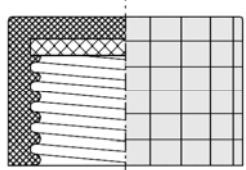
Material
Borosilicate glass

OPTIONS:
- Plastic coated glass
- „Pressure plus“



5

Dimensions			
ml	GL (ISO)	h1 (mm)	d1 (mm)
50	32	88	46
100	45	100	56
250		138	70
500		176	86
1000		225	101

OPTIONS / OPTIONEN			
SCREW CAP			
T.max 140°C (284°F)	T.max 180°C (356°F)	SEPTUM T.max 180°C (356°F)	T.max 260°C (500°F)
			
PP 140°C (284°F)	Melamine resin		Premium TPCh260 / PTFE (260°)
	EPDM / PTFE 180°C (356°F)	Silicon + PTFE 200°C (392°F)	
POURING RING			
			
PP	ETFE		TPCh260

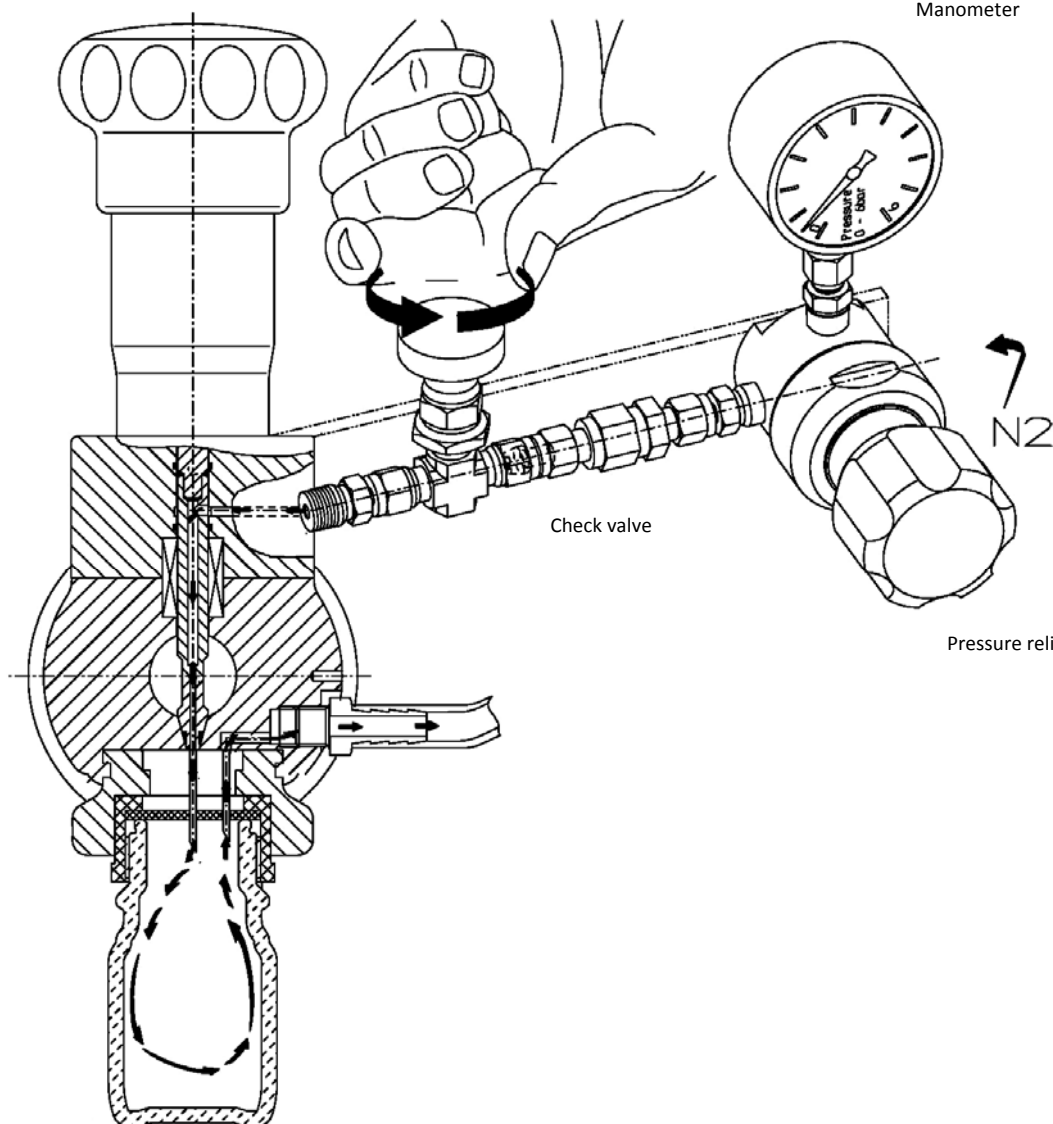
**NITROGEN RINSING SYSTEM
FOR ALL TYPES OF VALVES**

Integral bonnet
Needle valve

Manometer

Check valve

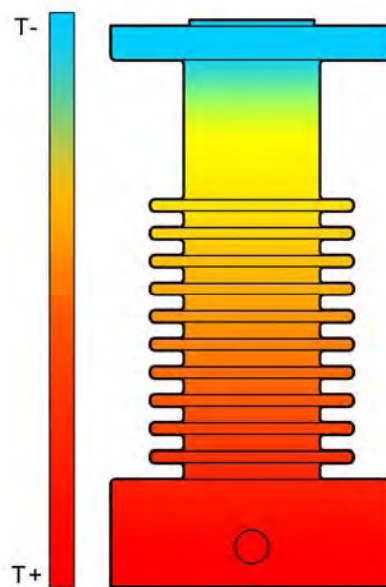
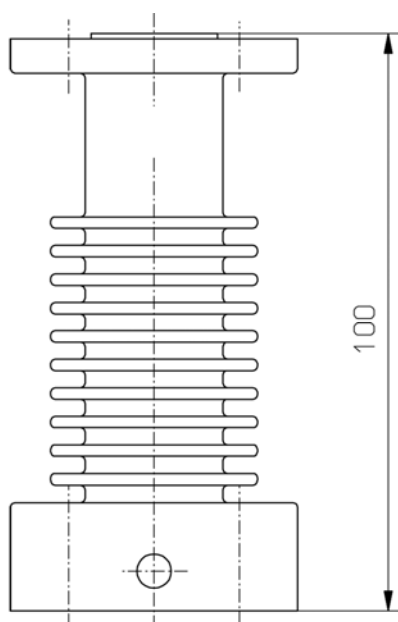
Pressure relief valve



COOLING FINS

Material

316L / 1.4435 / 1.4404



ΔT max : 250°C (482°F)

5

OPTIONS

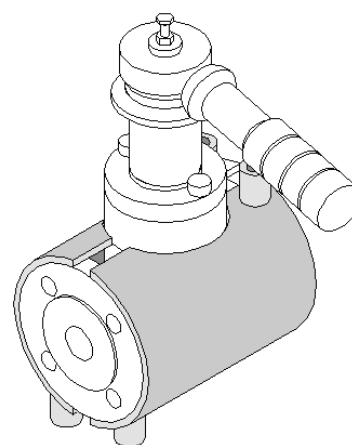
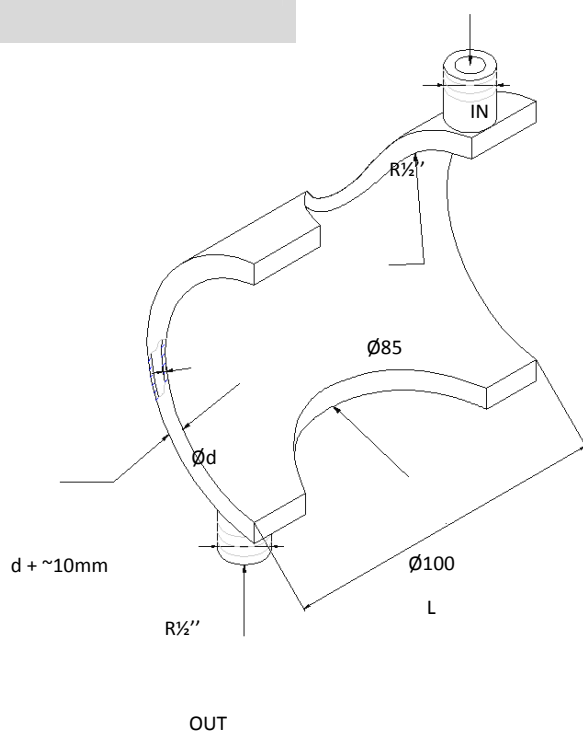
DOUBLE EXTENSION



**HEATING JACKET
FOR CAST IRON VALVES**

ANSI	L	ød
½"	123	95
1"	123	112.9
1½"	161	132
2"	174	157.4
3"	199	195.5
4 "	225	233.6

Matière
1.4301



BOTTLE HEAT PROTECTION

Material¹
PTFE / PP



5

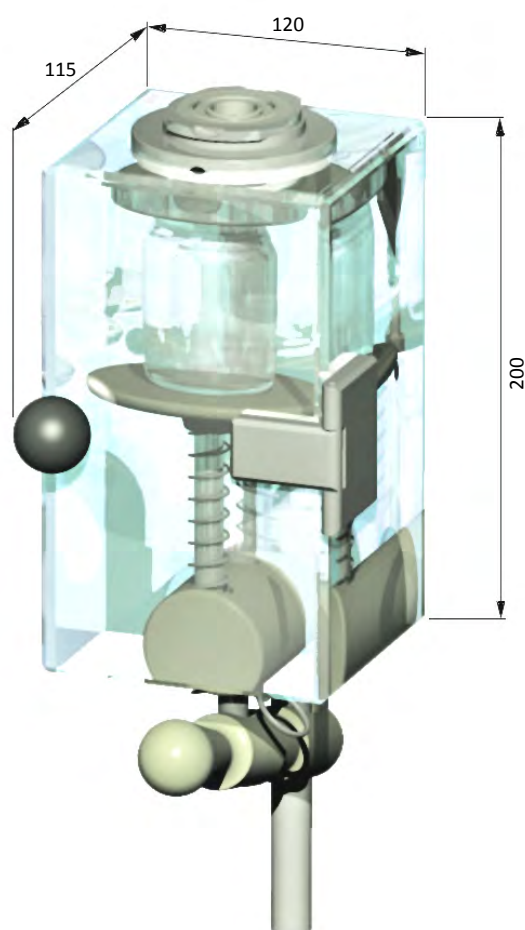
INFO

Bottle	p. 5.020
Plate support	p. 4.050
Bottle holder	p. 4.030

¹ other material on request

**PLEXIGLASS PROTECTION
FOR PLATE SUPPORT SAB**

Material
PMMA / 1.4301 / PP



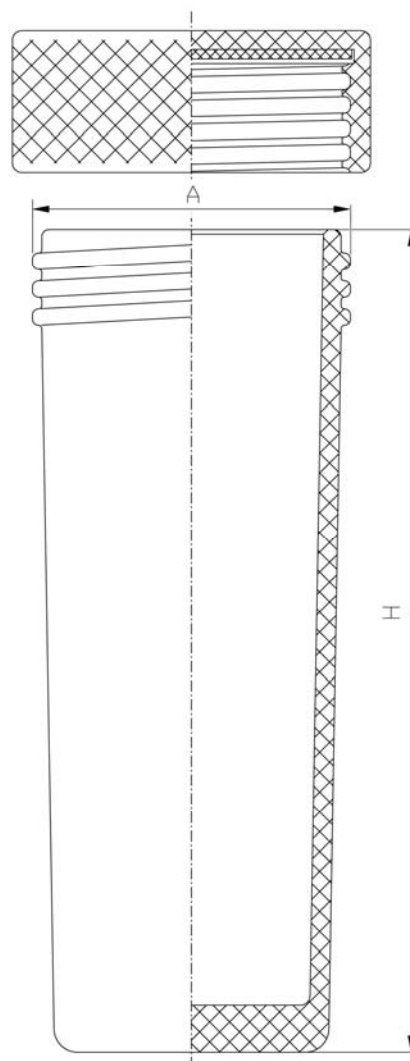
INFO

Plate support	p. 4.050
Bottle	p. 5.020

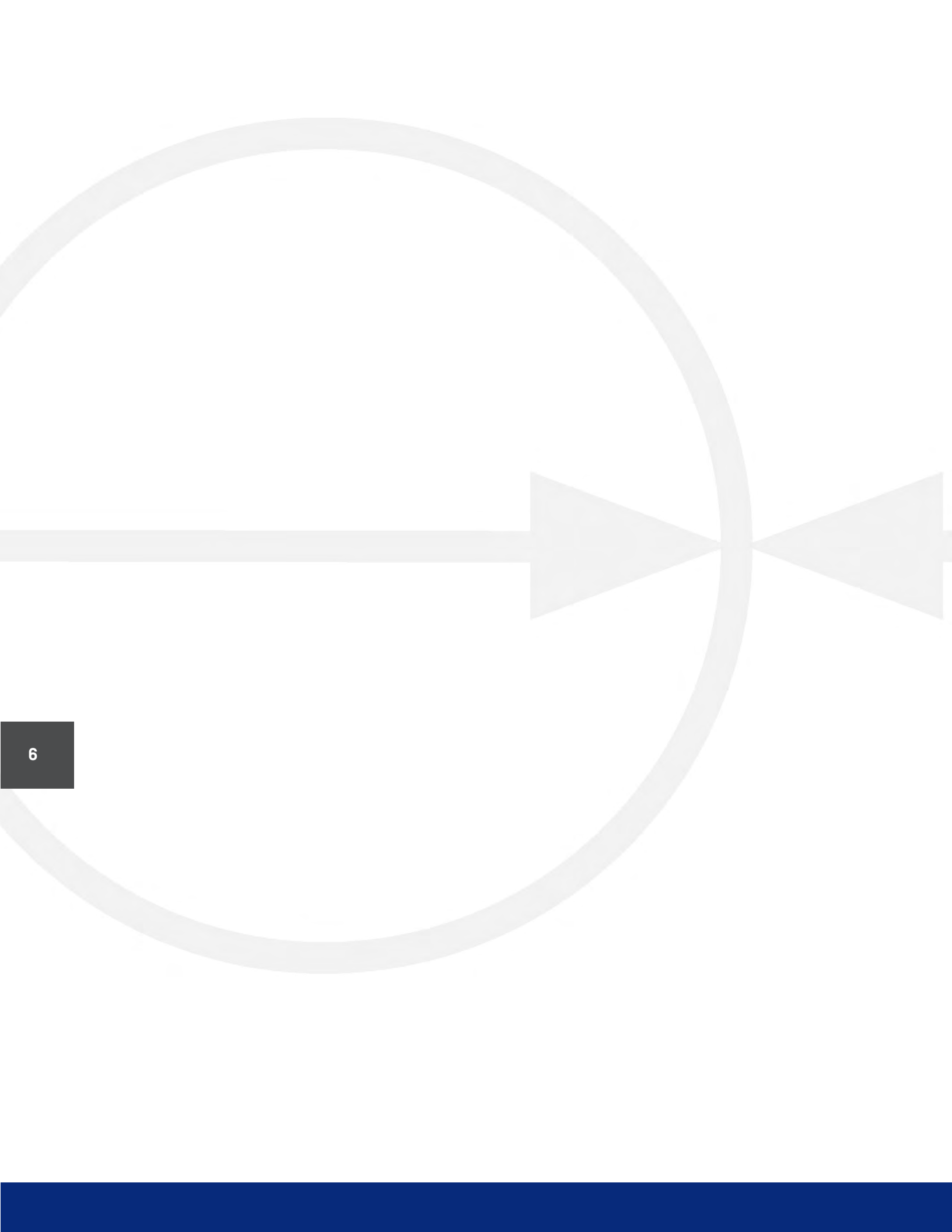
CONICAL CUP

Material¹
PFA

Dimensions		
A	H (mm)	Capacity
GL45	124	65ml
GL45	175	100ml
DIN68	175	300ml



¹ other material on request



OPTIONS



**SYSTEMS FOR GASES,
LIQUEFIED GASES**

Material

316L / 1.4435 / 1.4404 / PTFE /
Viton

Other material on request



Design
on demand

OPTION

Purging system with expansion chamber

Cooler system

p.6.020

Flowmeter

**COOLER
FOR LIQUIDS AND GAZ**

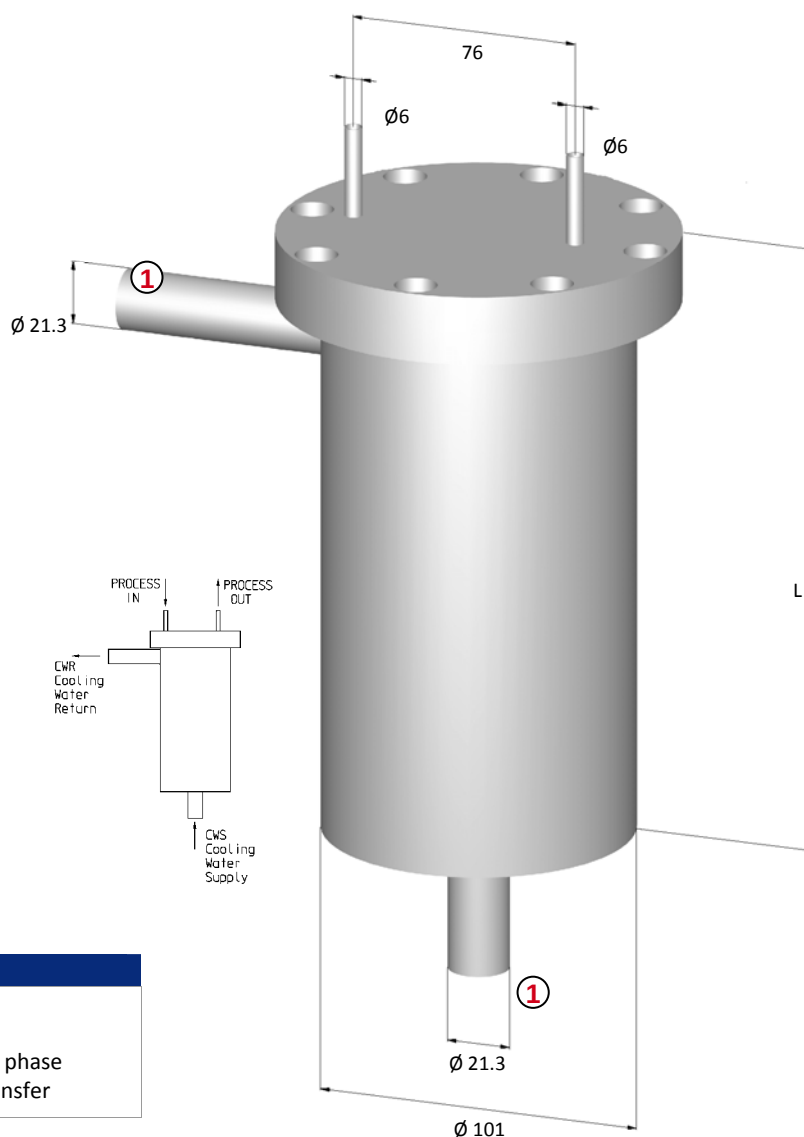
Material²
316L / 1.4435 / 1.4404

Shell
450psi@392°F

Coil
4000psi@932°F

ADVANTAGES

- Double helix coil for a compact design
- Minimal cooling water requirement
- Best performance below 2000CCM for single phase and below 1000CCM for condensing heat transfer



**Design
on demand**

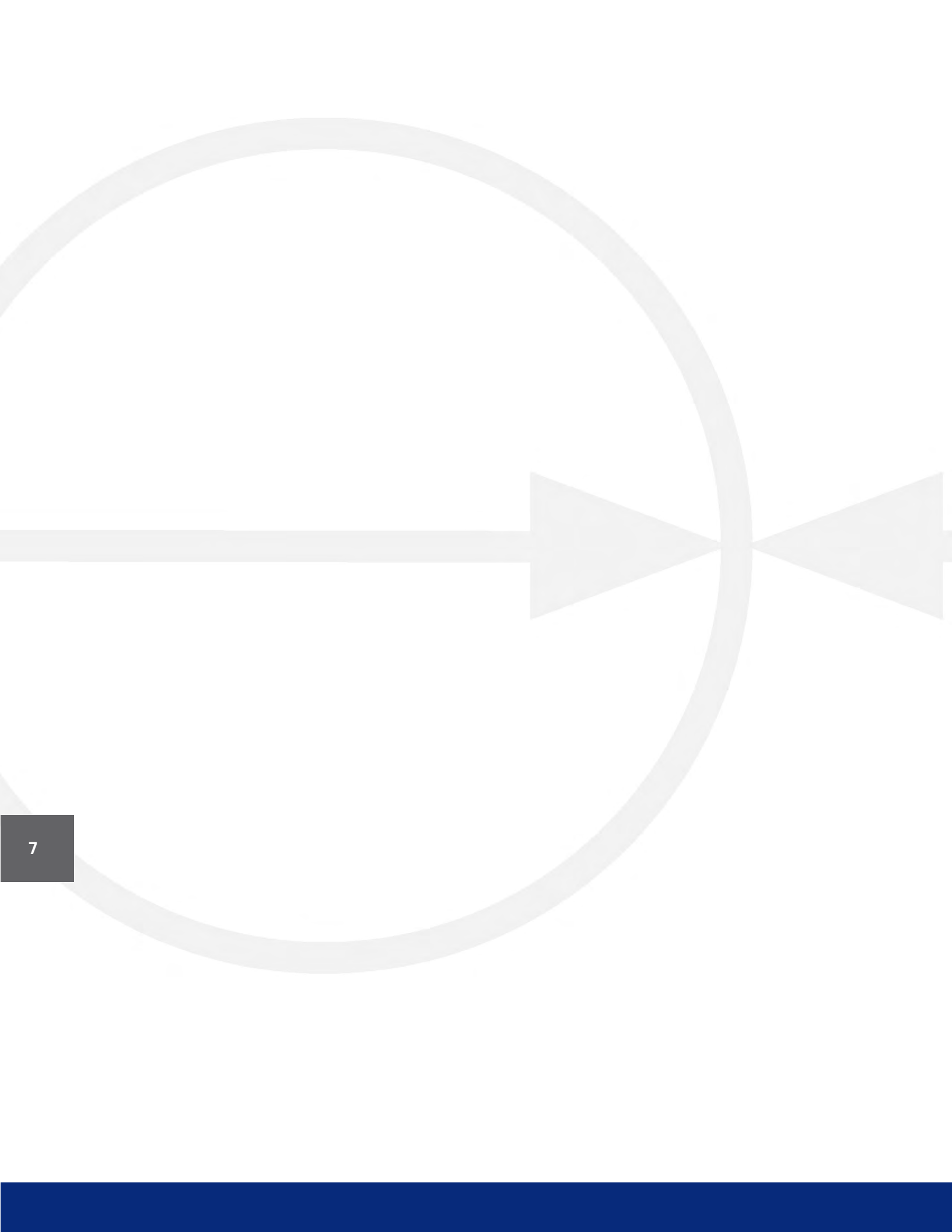
6

ACCESSORIES / ZUBEHÖR / ACCESSOIRES

①



² other material on request



REACTOR SAMPLING SYSTEMS



REACTOR SAMPLING SYSTEMS

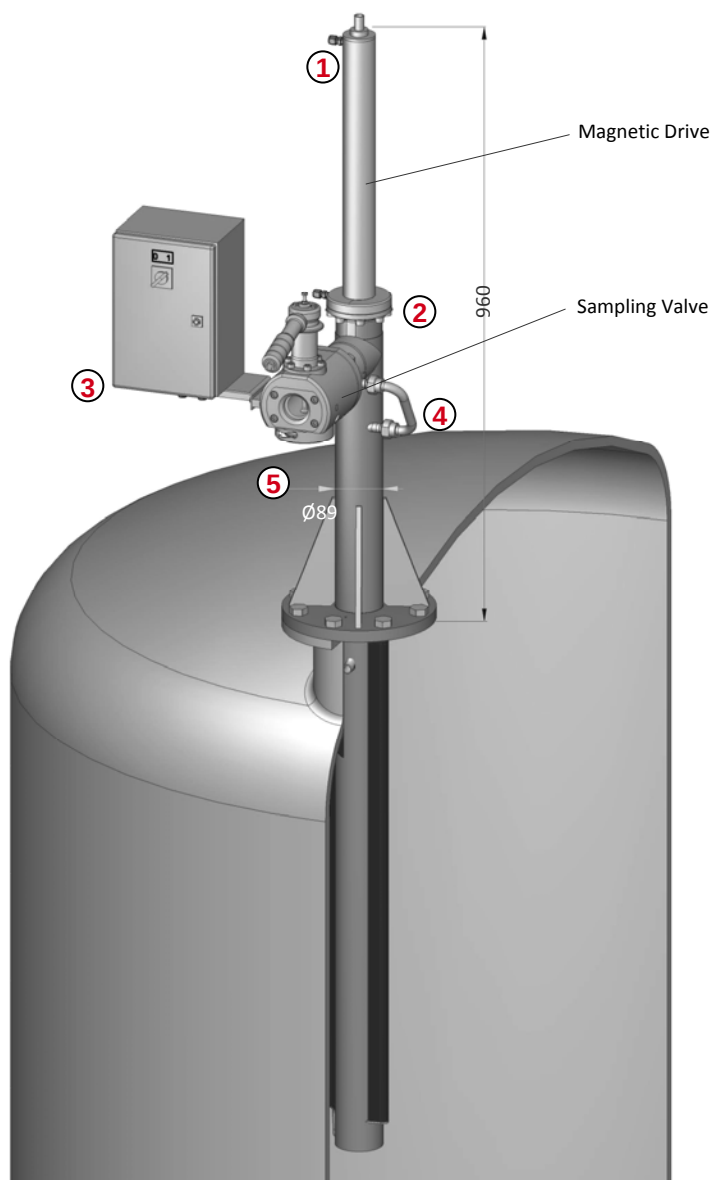
**SAMPLING VALVE FOR REACTOR
MULTIFUNCTION**

Material

316L / 1.4435 / 1.4404 /
PTFE / BOROSILICATE / PFA
HASTELLOY® C22

ADVANTAGES

- Simple operation
- Totally closed sampling
- Sampling under vacuum/pressure
- Without pump
- Self-cleaning



CLOSED MAGNETIC DRIVE SYSTEMS

Actiflow® Stainless steel
HASTELLOY® C22

Deepflow® PFA lined

- 1** Rinsing connection
- 2** Heating/Cooling jacket connection
- 3** Pneumatic control panel
- 4** OPTION : Measuring cup (*i.e.* pH)
- 5** Quick connection for accessories

ADVANTAGES Magnetic drive - no external contact

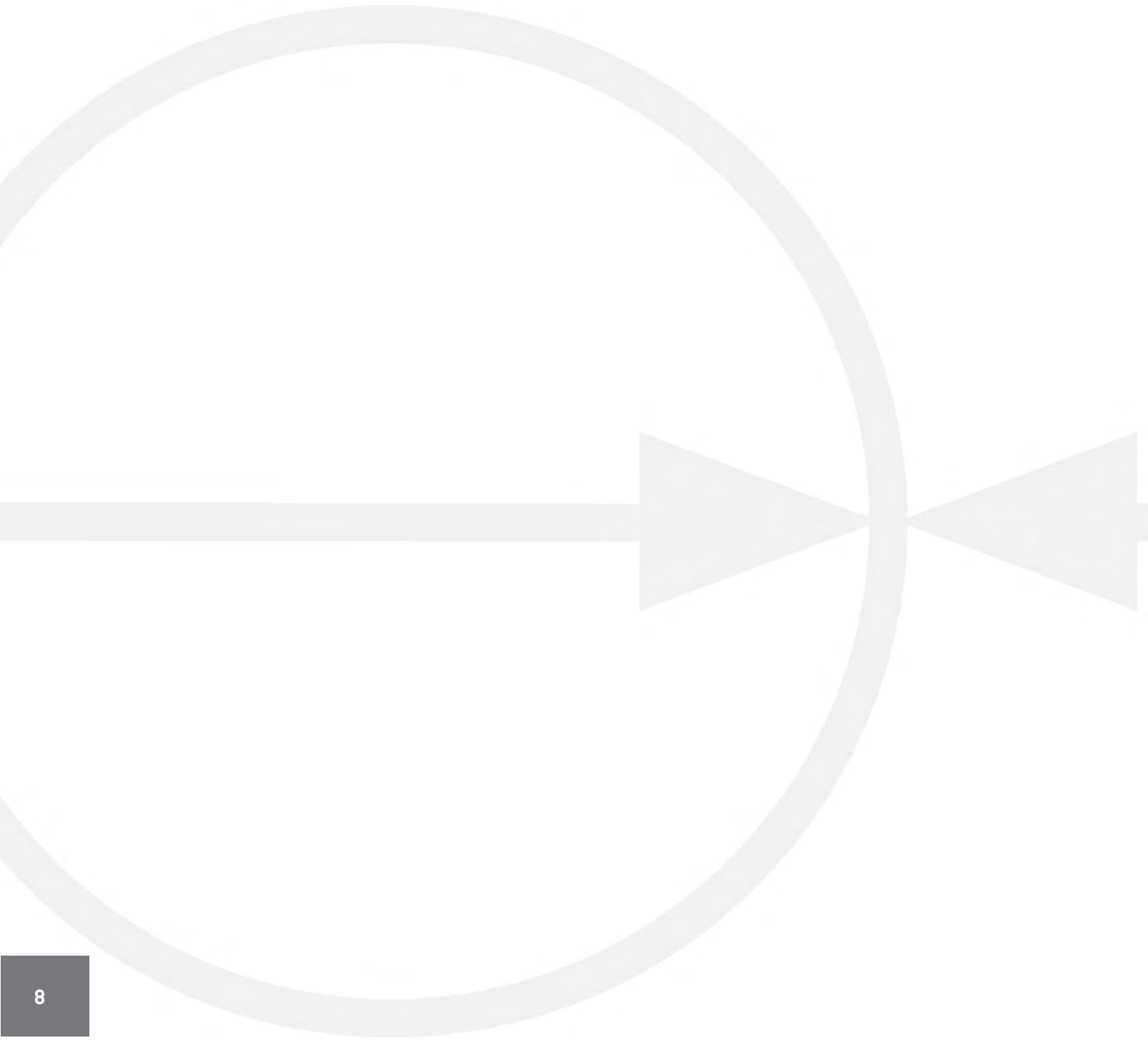
DYNAMIC SEAL PNEUMATIC DRIVE SYSTEM

Optiflow® Stainless steel
Other materials on request
Less options

- 1** Rinsing connection
- 5** Quick connection for accessories

ADVANTAGES Attractive price





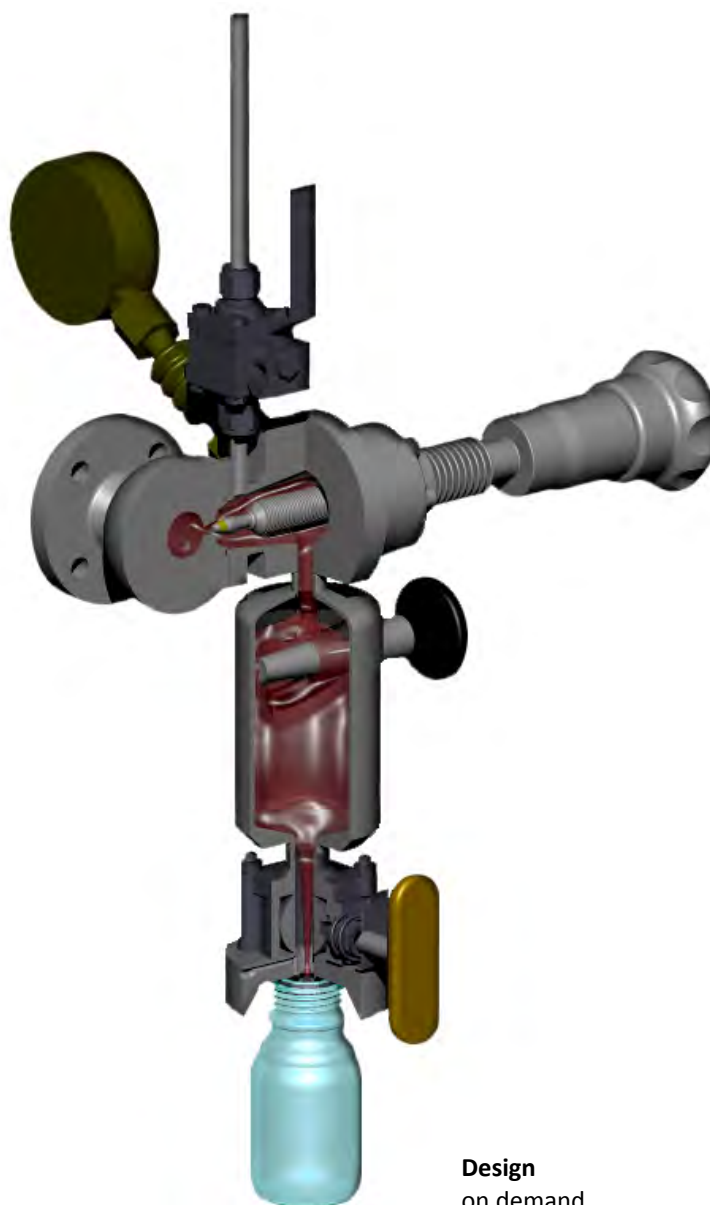
OTHER PRODUCTS [QUANTITATIVE,...]



**QUANTITATIVE SAMPLER
LOCK CHAMBER**

Material
316L / 1.4435 / 1.4404

Other material on request



Design
on demand

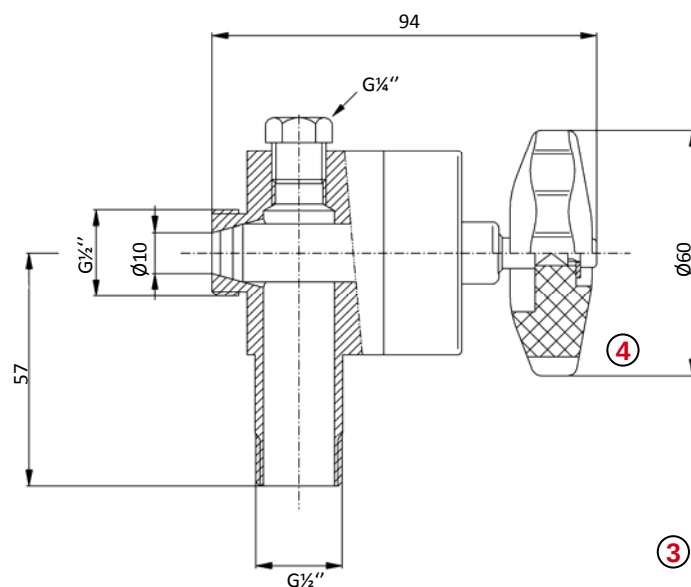
INFO

Bottle	p. 5.020
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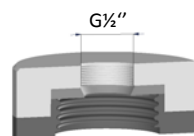
SS SAMPLING VALVE

Material⁵

316L / 1.4435 / 1.4404 / PTFE



3 ACCESSORIES / ZUBEHÖR

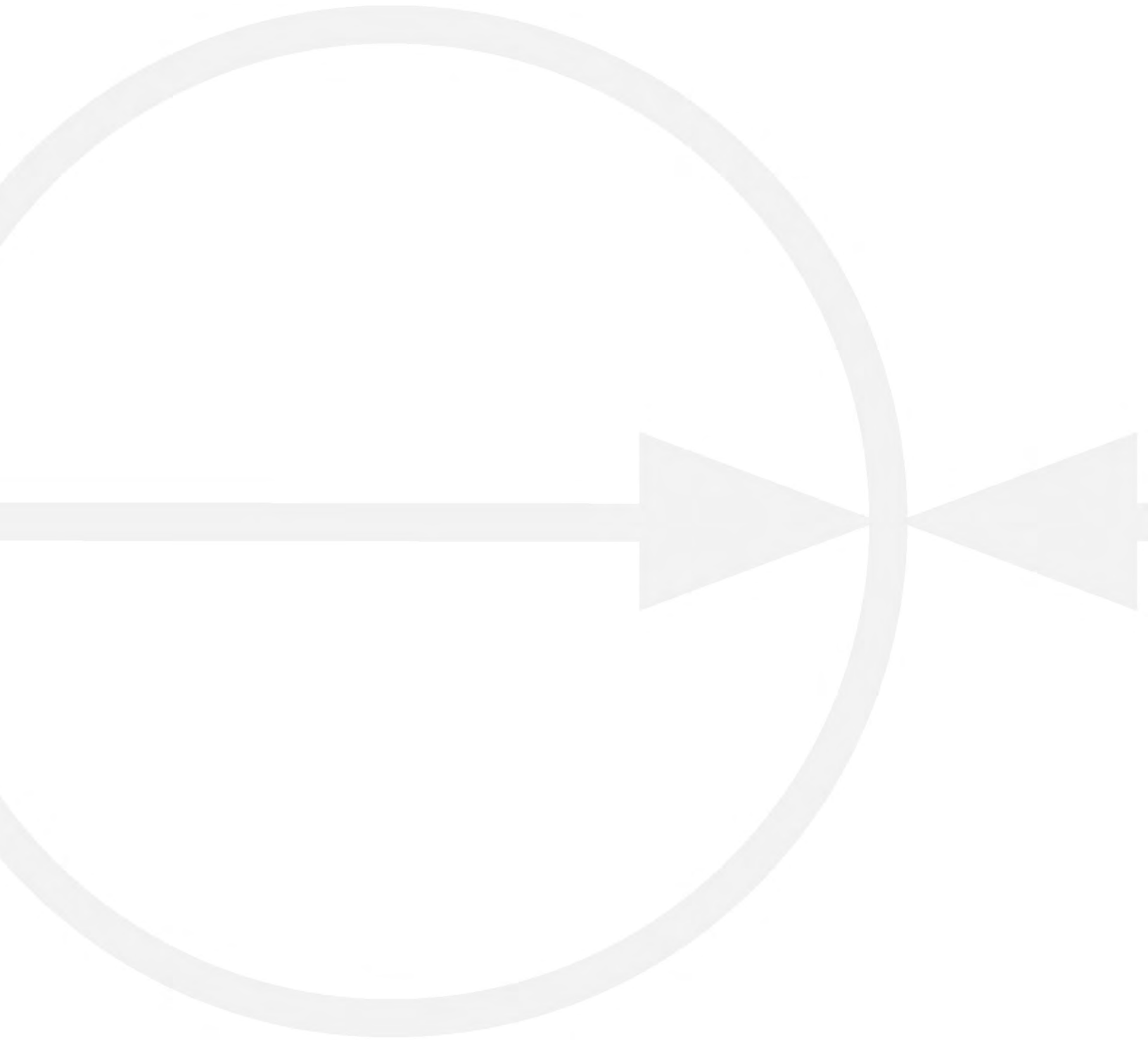


..

8

INFOS		
1	No dead space	
2	Rinsing	p. p ⁰ ЛМЛ
3	Thread adapter GL45	
	Quantitative with a ball valve	
4	Option : Spring-to-close actuator	
		PS -1 → 12 (bars) TS -20 → 200 (°C)

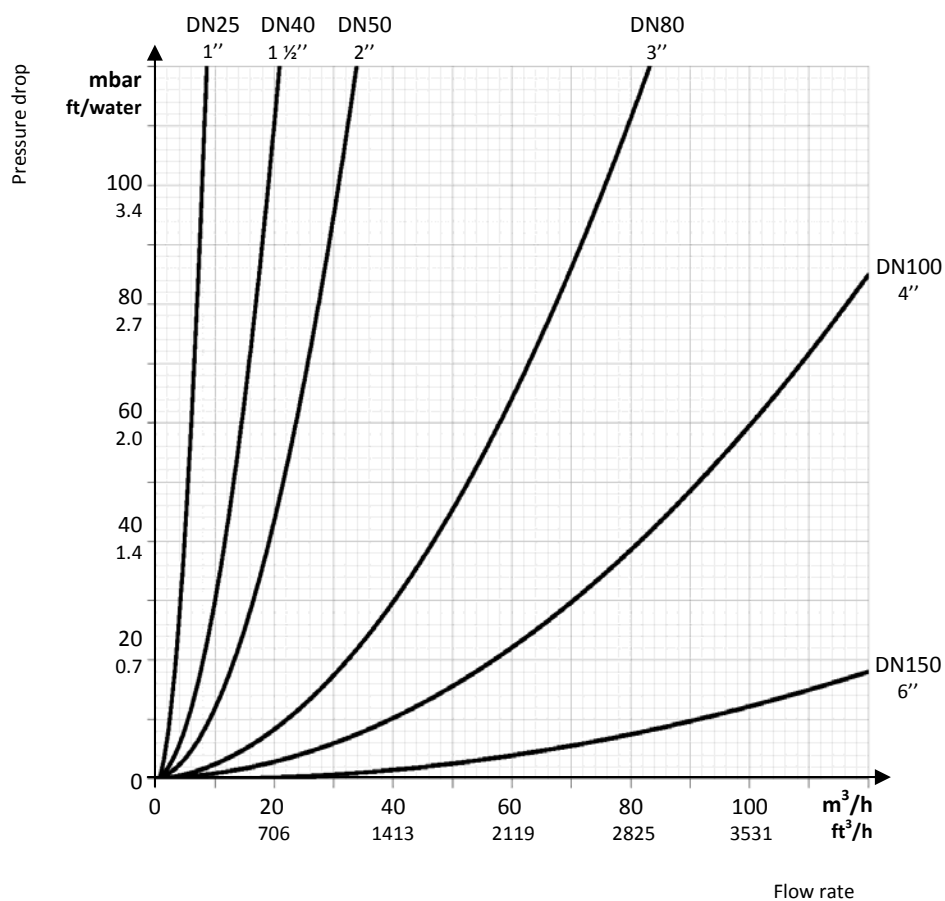
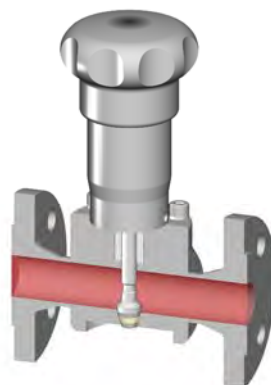
⁵ other material on request



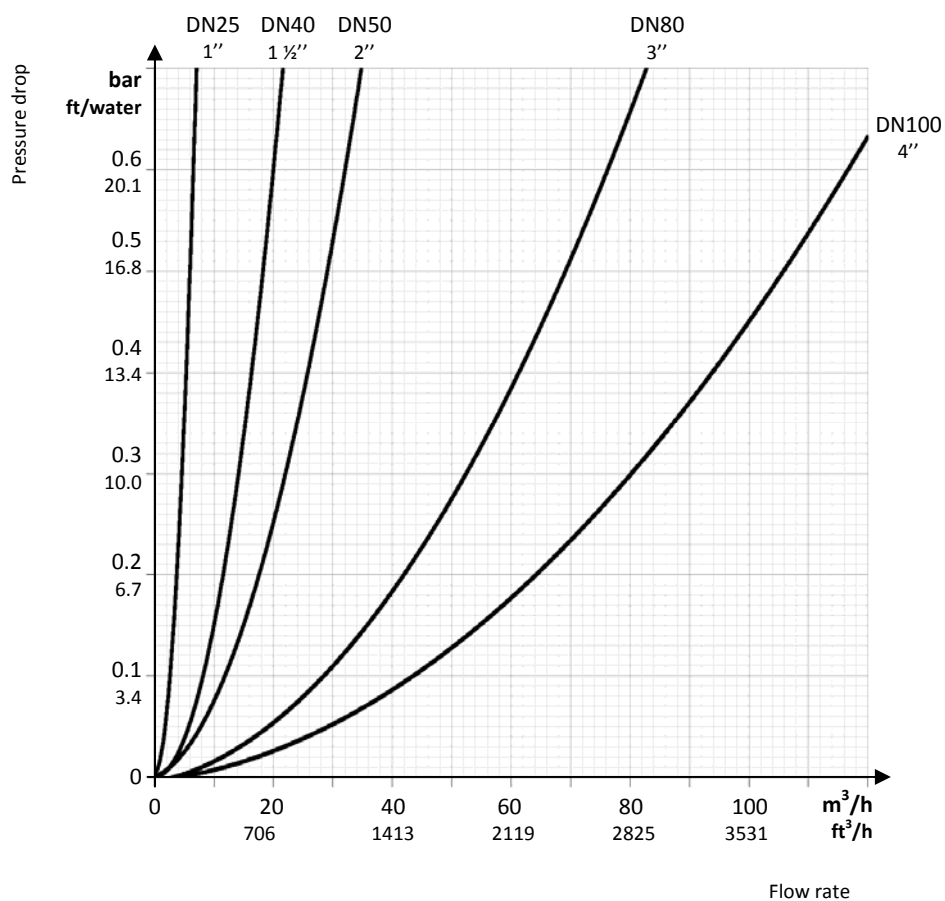
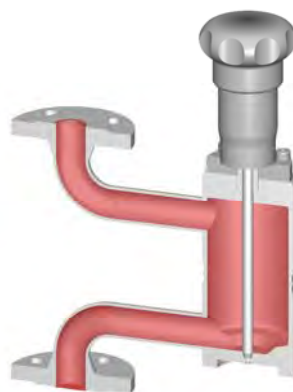
APPENDIX



**PRESSURE DROP
FOR HORIZONTAL VALVE**



**PRESSURE DROP
FOR VERTICAL VALVE**





BIAR, Inc.
2506 S. Philippe Ave.
Gonzales, LA 70737

Tel: 225-647-4300
Fax: 225-647-4309
sales@biar.com

