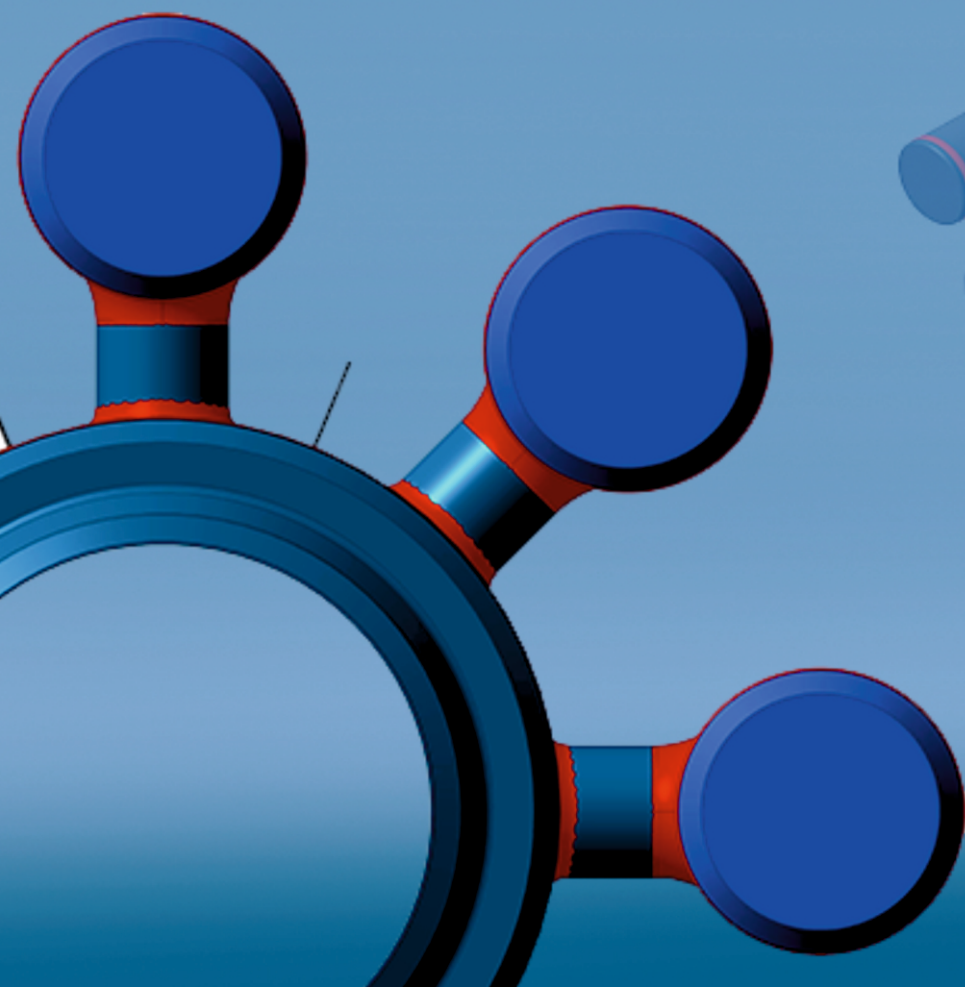
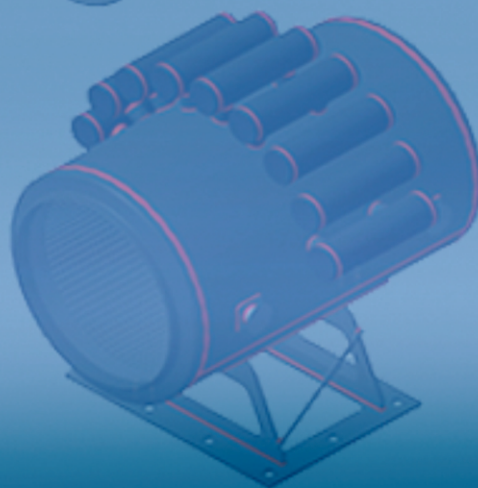
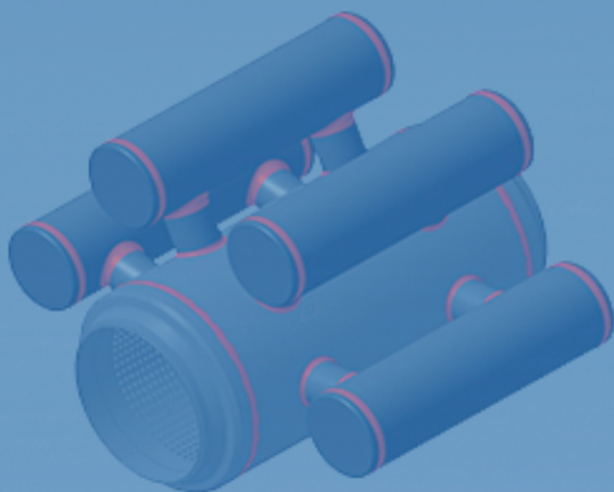
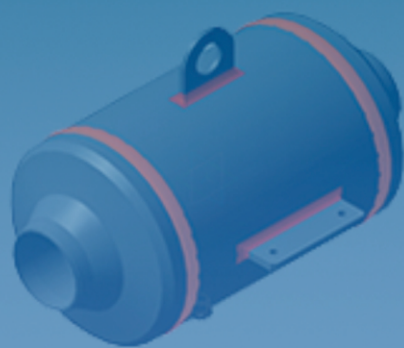
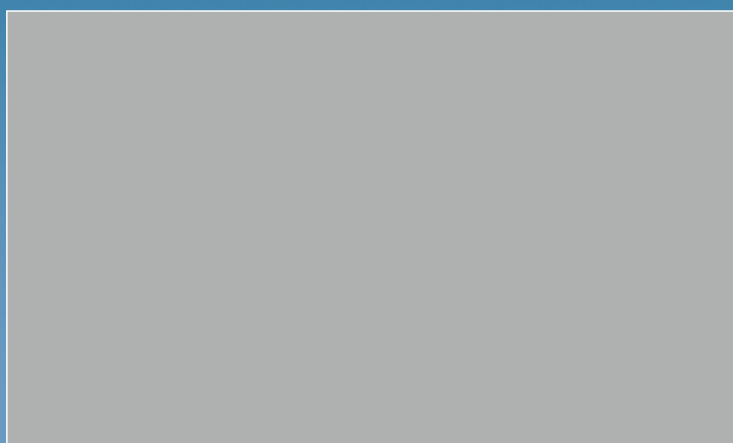




TECHPROMARMA
confidence in safety

EMERGENCY
PROTECTION
OF PIPELINES
AND EQUIPMENT

PRESSURE AUTOSTABILIZER



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INTRODUCTION

Pressure autostabilizer (PA) is a device for passive protection of the pipelines and equipment against water hammer, pressure pulsation and intolerable dynamic loads.

Pressure autostabilizers are intended for using on main pipelines in industrial power engineering (HPP, TPS, CHPP, etc.), municipal water and sewage systems, oil and gas industry, metallurgical engineering, chemical industry and other fields.

Pressure autostabilizers are designed as a pipe insert in a following version:

1. Pipe type SSD.P.T:

- DN 6; 10; 15; 20; 25; 32; 50; 65; 80; 100; 125; 150; 200; 250; 300;
P 1,0; 1,6; 2,5; 4,0; 6,0; 11,0; 12,0; 13,0; 14,0; 20,0; 25,0 MPa; T up to 350°C.

2. Chamber type SSD.P.K:

- DN 125; 150; 200; 250; 300; 350; 400;
P 1,0; 1,6; 2,5; 4,0; 6,0; 11,0; 12,0; 13,0; 14,0; 20,0 MPa; T up to 350°C;
- DN 500; 600; 700; 800;
P 1,0; 1,6; 2,5; 4,0; 6,0; 11,0; 12,0 MPa; T up to 300°C;
- DN 900; 1000; 1200; 1400; 1600; 1800; 2000;
P 1,0; 1,6; 2,5; 4,0 MPa; T up to 250°C.

3. It is possible to manufacture Pressure Autostabilizer with special parameters PN up to 45 MPa and T up to 550 ° C according to the customer's order form.

4. Medium:

For anticorrosion steel: alkali, acid, distillate, drain water, oils, water (nutrients, technical, condensate, desalted, showers, active drains), steam-gas (steam-air) mixture, concentrated salts, steam, oil, petroleum products, chemical solutions, air, compressed air, nitrogen, alkaline solution, steam and water mixture, clean condensate, oil-water mixture, salt solutions, pulp, decontamination and washing solutions and other medium.

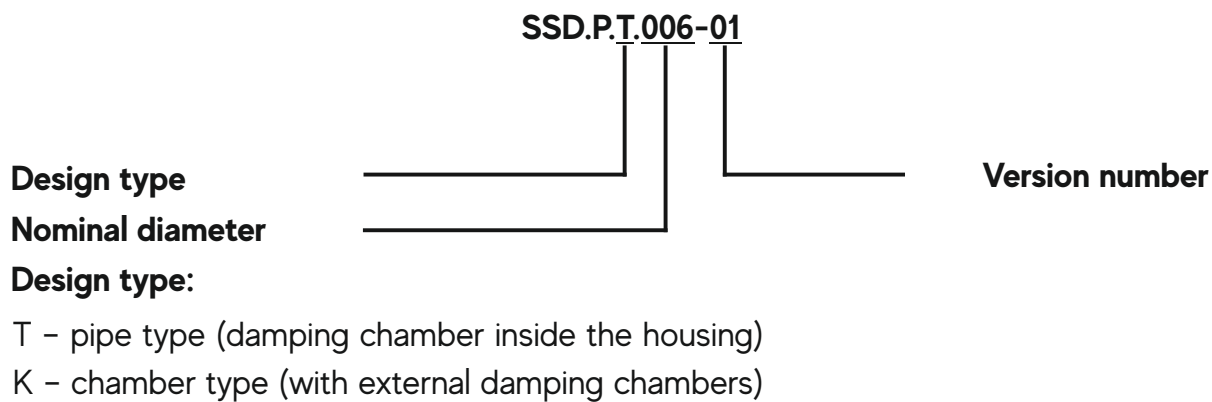
For carbon steel: water (nutrient, technical with chloride content up to 300 mg / l, desalted chemical-treated, shower water), condensate, oils, nitrogen, steam (superheated, wet), air-steam mixture, decontamination and washing solutions and other medium.

Connecting dimensions, product material, types of connection, weight and other characteristics of the product can be changed according to customer's request.

Pressure autostabilizers are installed in immediate vicinity to sources of disturbance (pumps, valves, quick-acting fittings, etc.).

5. The type of flanges up to customer choice.

Type code of PA:



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *



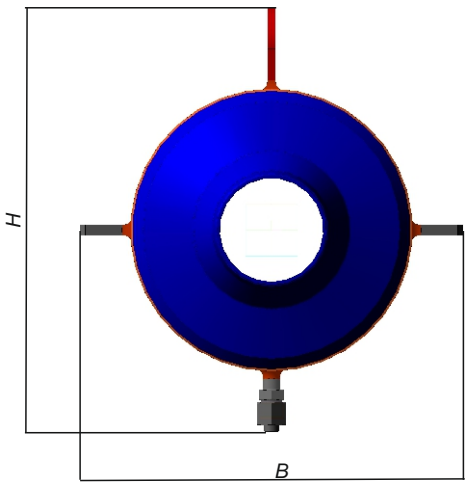
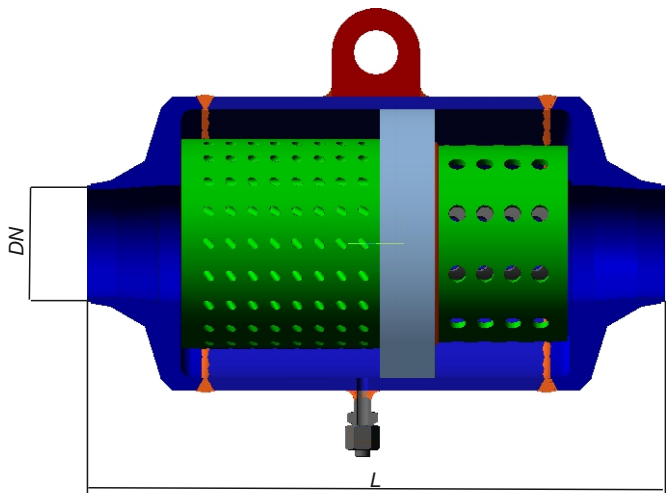
DN: 006/010/015

* - Type

T - up to 350 °C

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	196	190	190	4,0	-02	-05
1,6	196	190	190	4,0	-09	-13
2,5	196	190	190	4,0	-17	-21
4,0	196	190	190	4,0	-25	-29
6,0	196	195	190	4,1	-	-33
11,0	196	196	196	4,2	-37	-
12,0	196	196	196	4,2	-	-41
13,0	196	196	196	4,2	-	-45
14,0	196	196	196	4,2	-49	-
20,0	196	200	200	4,8	-53	-
25,0	196	204	204	7,0	-57	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *
- -



DN: 006/010/015

* - Version

T - up to 350 °C

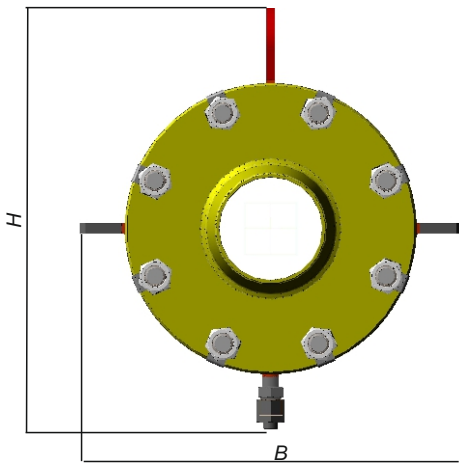
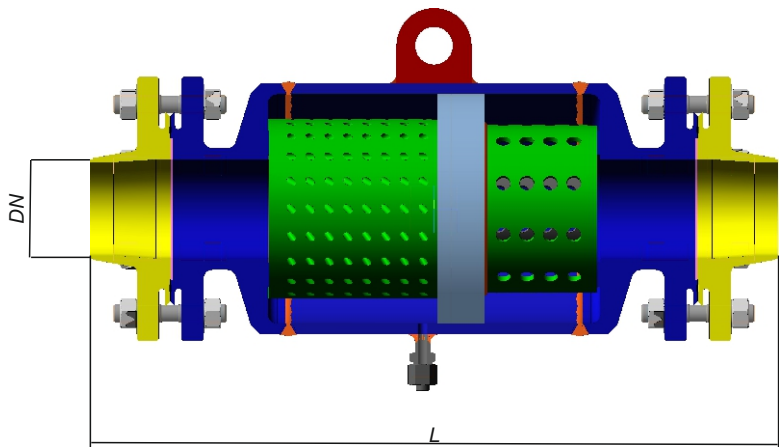
Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	328	190	190	7	-03	-07
1,6	328	190	190	7	-11	-15
2,5	328	190	190	7	-19	-23
4,0	328	190	190	7	-27	-31
6,0	380	190	190	8,9	-	-35
11,0	396	196	196	9,2	-39	-
12,0	396	196	196	9,2	-	-43
13,0	396	196	196	9,2	-	-47
14,0	396	196	196	9,2	-51	-
20,0	404	200	200	12,6	-55	-
25,0	-	-	-	-	-	-

25,0/45,0

According to the customer's request



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *



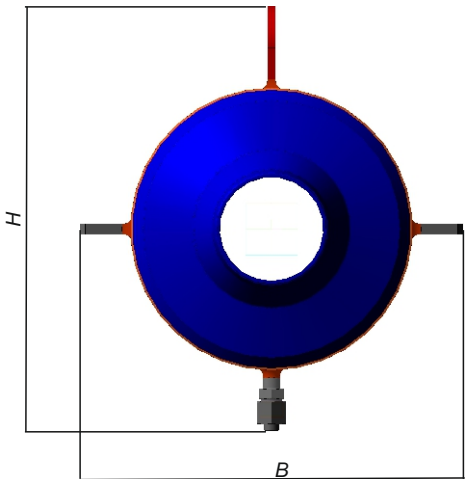
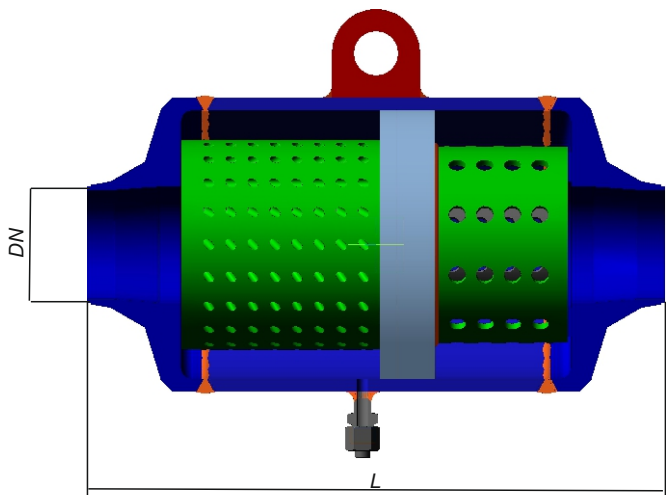
DN: 020/025/032

* - Version

T - up to 350 °C

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	216	286	286	25,3	-02	-05
1,6	216	286	286	25,3	-09	-13
2,5	216	286	286	25,3	-17	-21
4,0	216	286	286	25,3	-25	-29
6,0	216	286	286	25,3	-	-33
11,0	216	300	300	33,2	-37	-
12,0	216	300	300	33,2	-	-41
13,0	216	300	300	33,2	-	-45
14,0	216	300	300	33,2	-49	-
20,0	216	316	315	41,4	-53	-
25,0	216	326	325	43,1	-57	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *
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DN: 020/025/032

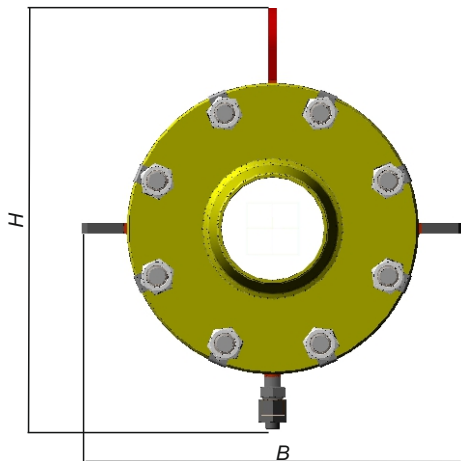
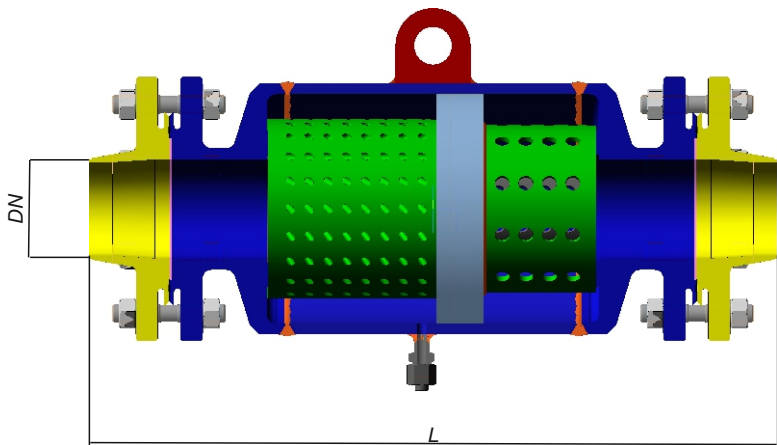
* - Version

T - up to 350 °C

Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	436	286	366	29,8	-03	-07
1,6	436	286	366	29,8	-11	-15
2,5	436	286	366	29,8	-19	-23
4,0	436	286	366	29,8	-27	-31
6,0	536	406	366	32,8	-	-35
11,0	543	432	392	41,8	-39	-
12,0	543	432	392	41,8	-	-43
13,0	543	432	392	41,8	-	-47
14,0	543	432	392	41,8	-51	-
20,0	555	446	406	41,8	-55	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



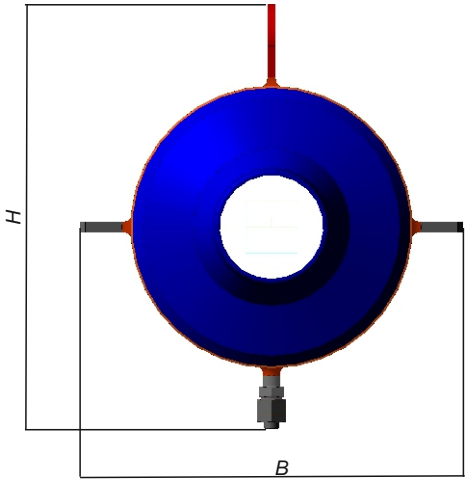
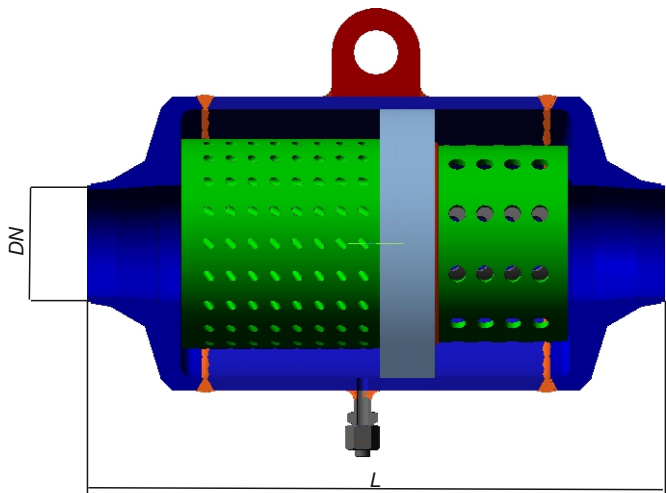
PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *



DN: 050/065
*** - Version**
T - up to 350 °C
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	345	359	308	44,7	-02	-05
1,6	345	359	308	44,7	-09	-13
2,5	345	359	308	44,7	-17	-21
4,0	345	359	308	44,7	-25	-29
6,0	345	359	306	44,7	-	-33
11,0	362	382	322	56,4	-37	-
12,0	362	382	322	56,4	-	-41
13,0	362	382	322	56,4	-	-45
14,0	362	382	322	56,4	-49	-
20,0	391	396	338	72,4	-53	-
25,0	645	407	348	80,1	-57	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *
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DN: 050/065

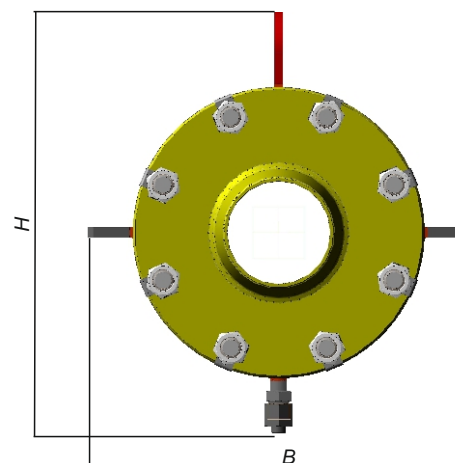
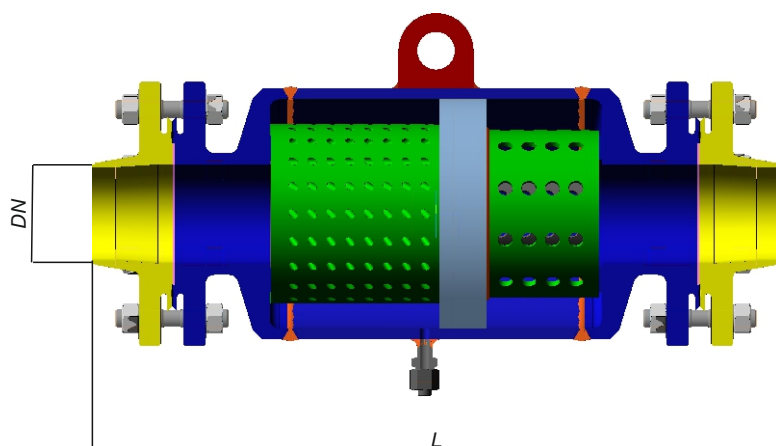
*** - Version**

T - up to 350 °C

Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	645	359	308	57,9	-03	-07
1,6	645	359	308	57,9	-11	-15
2,5	645	359	308	57,9	-19	-23
4,0	645	359	308	57,9	-27	-31
6,0	650	359	306	61,7	-	-35
11,0	662	382	322	84,7	-39	-
12,0	662	382	322	84,7	-	-43
13,0	662	382	322	84,7	-	-47
14,0	662	382	322	84,7	-51	-
20,0	691	396	338	118,7	-55	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



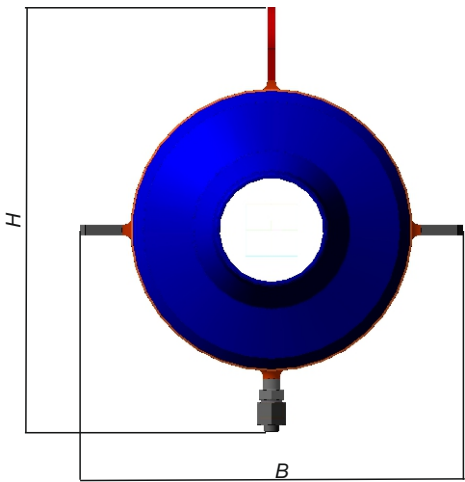
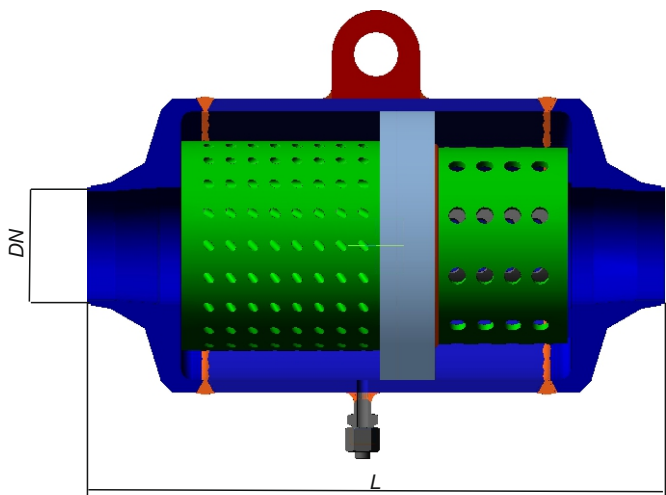
PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *



DN: 080/100
*** - Version**
T - up to 350 °C
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	523	406	406	79,7	-02	-05
1,6	523	406	406	79,7	-09	-13
2,5	523	406	406	79,7	-17	-21
4,0	523	406	406	79,7	-25	-29
6,0	536	406	406	79,7	-	-33
11,0	552	432	432	129,7	-37	-
12,0	552	432	432	129,7	-	-41
13,0	552	432	432	129,7	-	-45
14,0	552	432	432	129,7	-49	-
20,0	538	446	446	152,2	-53	-
25,0	517	460	460	185,3	-57	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (PIPE TYPE)

SSD. P. T. DN - *
_



DN: 080/100

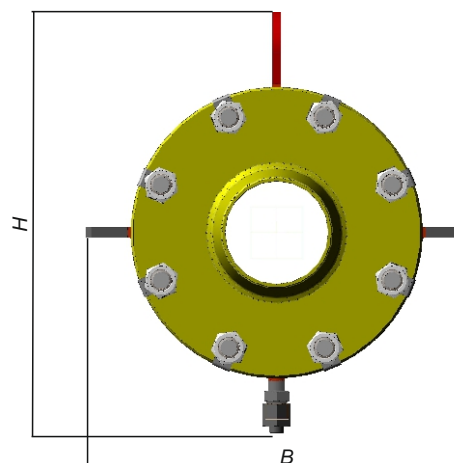
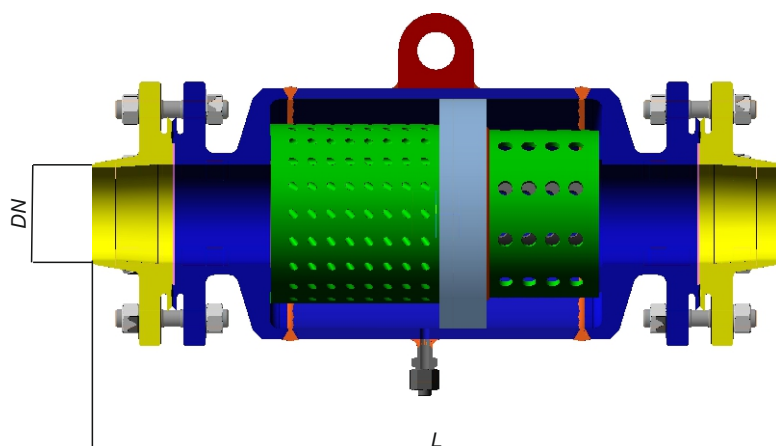
*** - Version**

T - up to 350 °C

Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	523	406	406	90,2	-03	-07
1,6	523	406	406	90,2	-11	-15
2,5	523	406	406	90,2	-19	-23
4,0	523	406	406	90,2	-27	-31
6,0	532	406	406	100,6	-	-35
11,0	552	432	432	171,2	-39	-
12,0	552	432	432	171,2	-	-43
13,0	552	432	432	171,2	-	-47
14,0	552	432	432	171,2	-51	-
20,0	538	446	446	240,6	-55	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



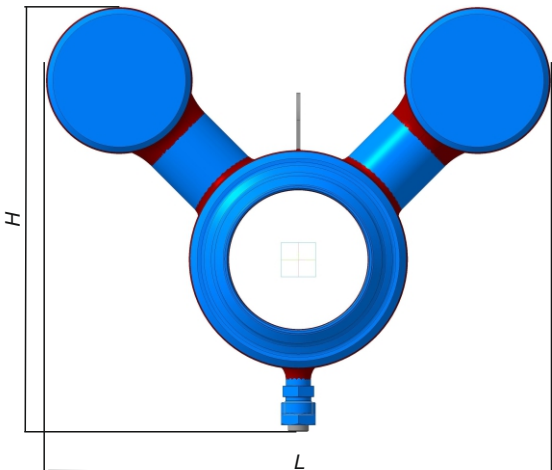
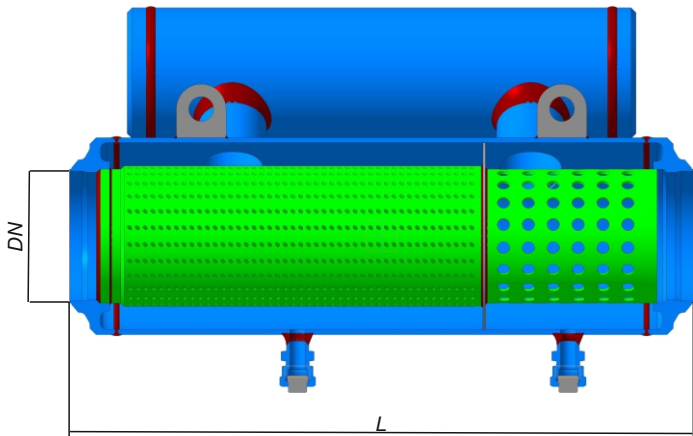
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_ -



DN: 125/150/200
* - Version
T - up to 350 °C
Medium – see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	913	635	760	199	-00	-02
1,6	913	635	760	199	-04	-06
2,5	913	635	760	199	-08	-10
4,0	913	635	760	199	-12	-14
6,0	943	656	789	387	-	-16
11,0	973	696	847	657	-18	-
12,0	973	696	847	657	-	-20
13,0	973	696	847	657	-	-22
14,0	973	696	847	657	-24	-
20,0	991	728	889	911	-26	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_



DN: 125/150/200

* - Version

T - up to 350 °C

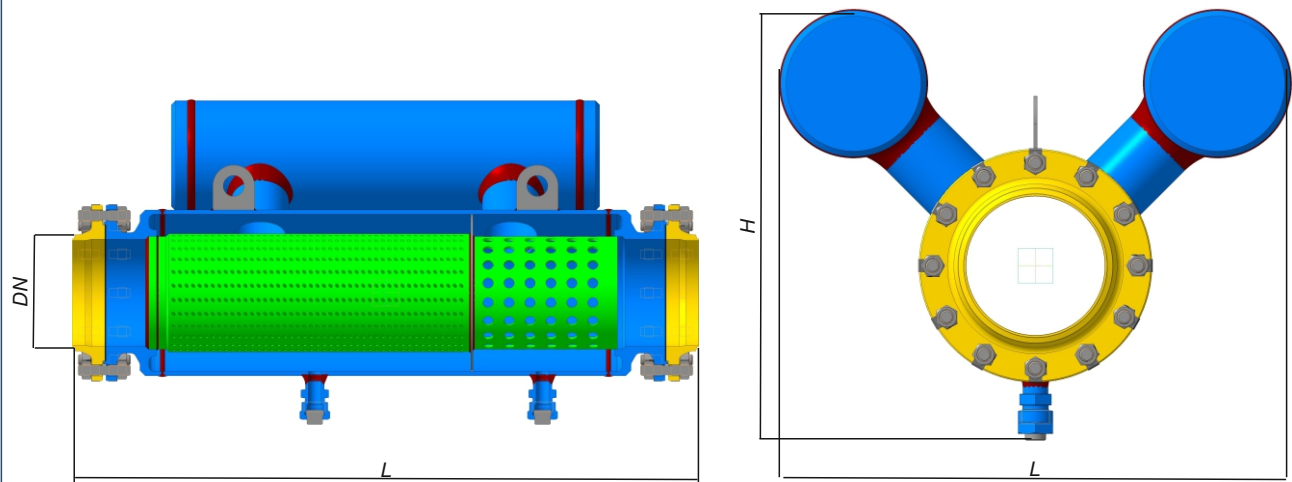
Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1394	635	760	358	-01	-03
1,6	1394	635	760	358	-05	-07
2,5	1394	635	760	358	-09	-11
4,0	1394	635	760	358	-13	-15
6,0	536	406	366	358	-	-17
11,0	543	432	392	372	-19	-
12,0	543	432	392	372	-	-21
13,0	543	432	392	372	-	-23
14,0	543	432	392	372	-25	-
20,0	555	446	406	568	-27	-
25,0	-	-	-	-	-	-

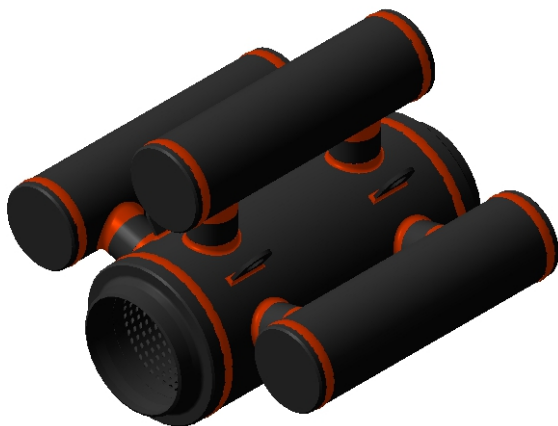
25,0/45,0

According to the customer's request



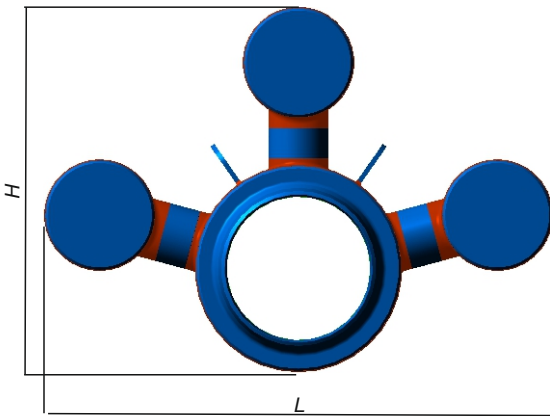
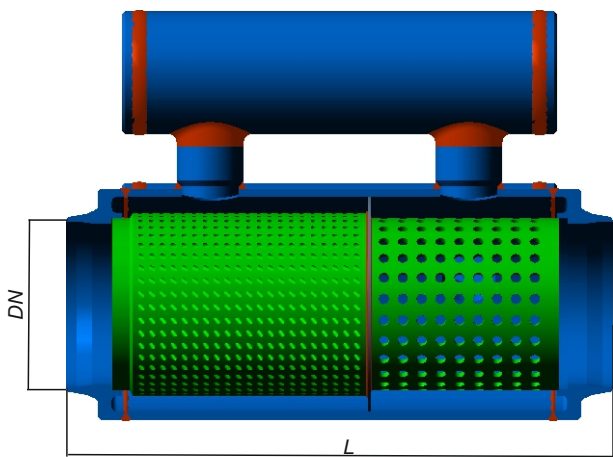
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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DN: 250/300
* - Version
T - up to 350 °C
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1020	655	1034	410	-00	-02
1,6	1020	655	1034	410	-04	-06
2,5	1020	655	1034	410	-08	-10
4,0	1020	655	1034	410	-12	-14
6,0	1040	668	1048	510	-	-16
11,0	1100	792	1095	670	-18	-
12,0	1100	792	1095	670	-	-20
13,0	1100	792	1095	670	-	-22
14,0	1100	792	1095	670	-24	-
20,0	1200	812	1185	1180	-26	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
- -



DN: 250/300

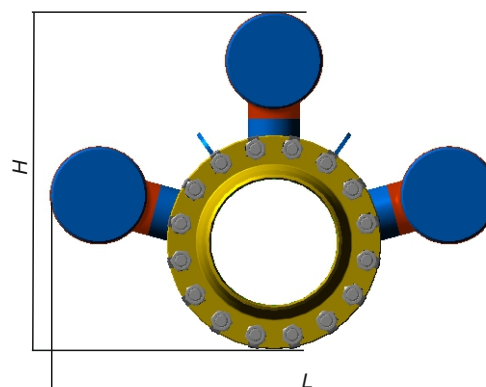
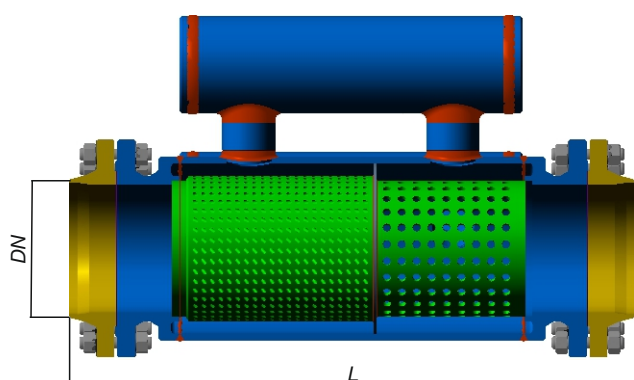
* - Version

T - up to 350 °C

Flanges - see point 5

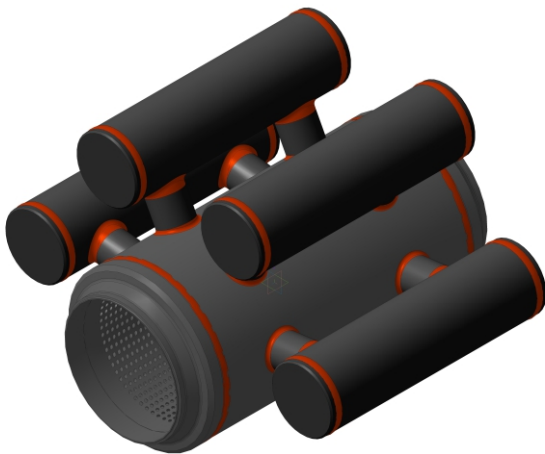
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1820	655	1034	565,6	-01	-03
1,6	1820	655	1034	565,6	-05	-07
2,5	1820	655	1034	565,6	-09	-11
4,0	1820	655	1034	565,6	-13	-15
6,0	1900	668	1048	713	-	-17
11,0	1900	792	1095	1046	-19	-
12,0	1900	792	1095	1046	-	-21
13,0	1900	792	1095	1046	-	-23
14,0	1900	792	1095	1046	-25	-
20,0	2000	812	1185	2340	-27	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



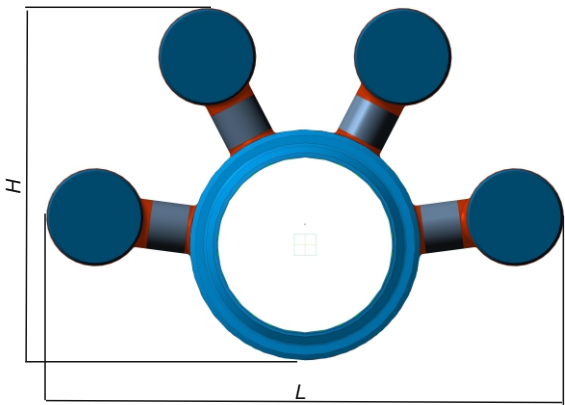
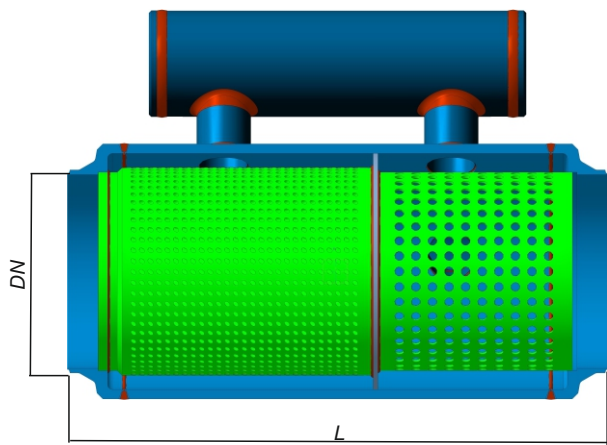
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
- -



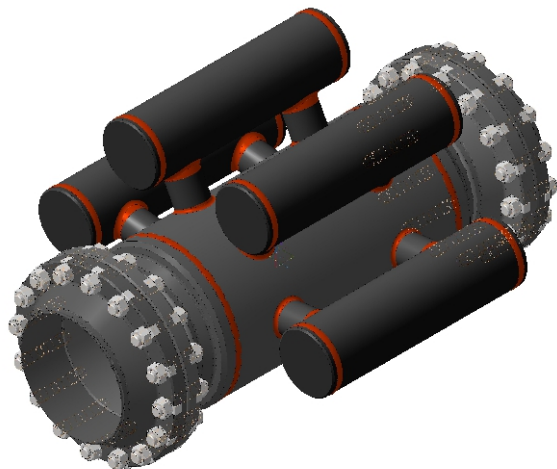
DN: 350/400
* - Version
- T - up to 350 °C
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1150	708	1070	630	-00	-02
1,6	1150	708	1070	630	-04	-06
2,5	1150	708	1070	630	-08	-10
4,0	1150	708	1070	630	-12	-14
6,0	1150	894	1212	1120	-	-16
11,0	1150	894	1212	1120	-18	-
12,0	1150	894	1212	1120	-	-20
13,0	1150	894	1212	1120	-	-22
14,0	1150	894	1212	1120	-24	-
20,0	1150	892	1216	1580	-26	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_



DN: 350/400

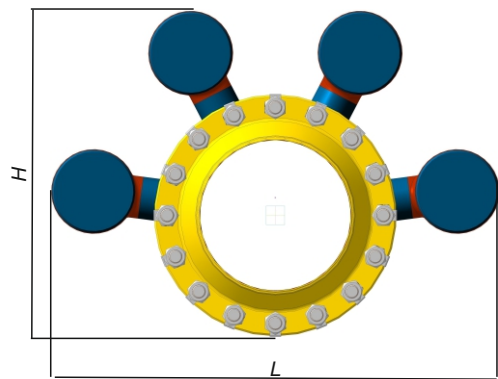
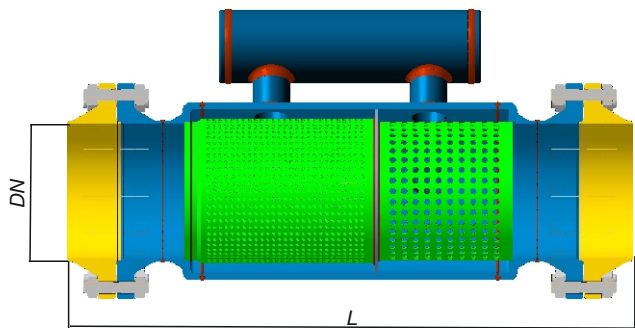
* - Version

T - up to 350 °C

Flanges - see point 5

Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1580	708	1070	911	-01	-03
1,6	1580	708	1070	911	-05	-07
2,5	1580	708	1070	911	-09	-11
4,0	1580	708	1070	911	-13	-15
6,0	1600	894	1212	1150	-	-17
11,0	1625	894	1212	1529	-19	-
12,0	1625	894	1212	1529	-	-21
13,0	1625	894	1212	1529	-	-23
14,0	1625	894	1212	1529	-25	-
20,0	1870	892	1216	2830	-27	-
25,0	-	-	-	195,1	-	-
25,0/45,0		According to the customer's request				



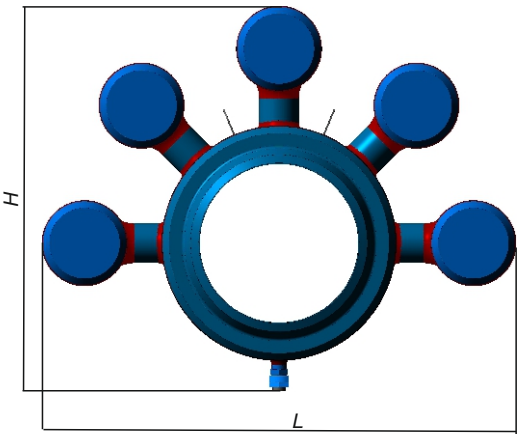
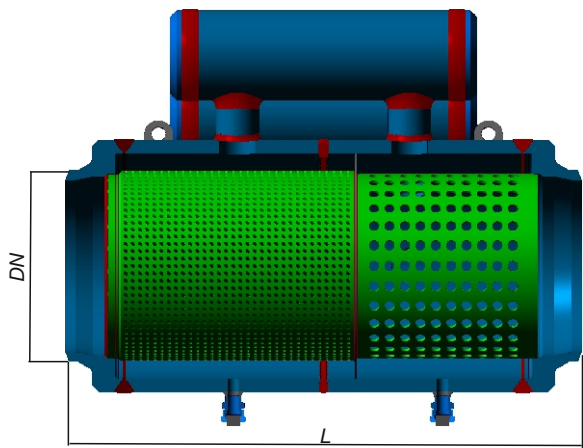
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_



DN: 500
*** - Version**
T - up to 350 °C
Medium – see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1324	1060	1280	470	-00	-02
1,6	1324	1060	1280	470	-04	-06
2,5	1356	1084	1314	635	-08	-10
4,0	1356	1084	1314	660	-12	-14
6,0	1361	1105	1349	820	-	-16
11,0	1444	1165	1432	1370	-18	-
12,0	1444	1165	1432	1370	-	-20
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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DN: 500

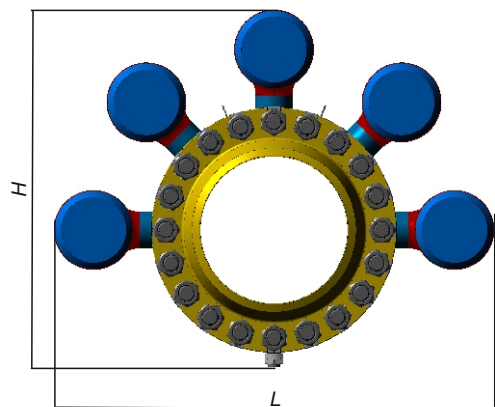
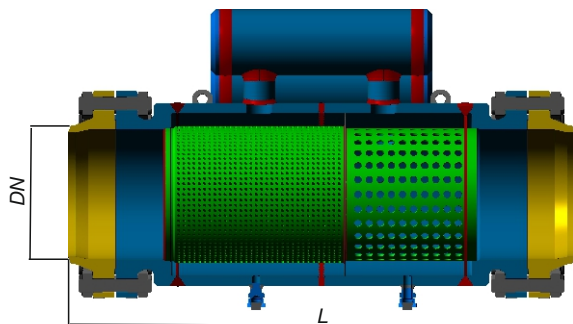
* - Version

T - up to 300 °C

Flanges - see point 5

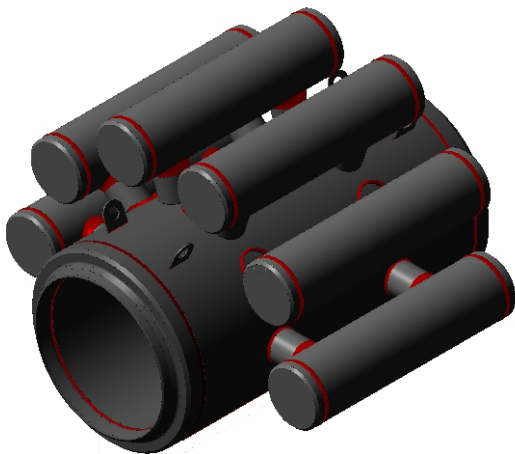
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1511	1060	635	635	-01	-03
1,6	1511	1060	635	785	-05	-07
2,5	1633	1083	366	1075	-09	-11
4,0	1633	1083	366	1310	-13	-15
6,0	1743	1105	366	1740	-	-17
11,0	1941	1165	392	2370	-19	-
12,0	1941	1165	392	2370	-	-21
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



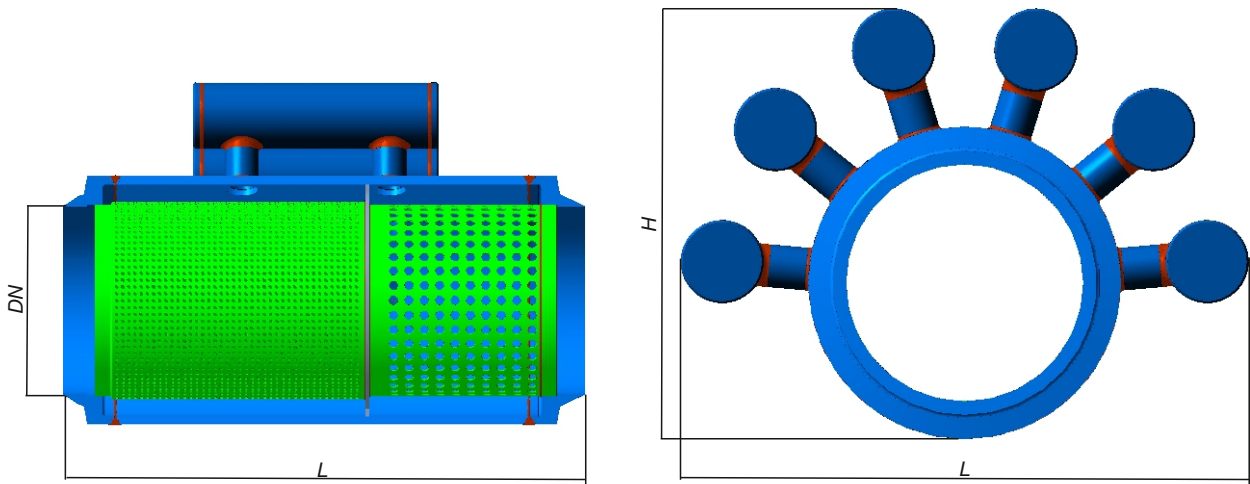
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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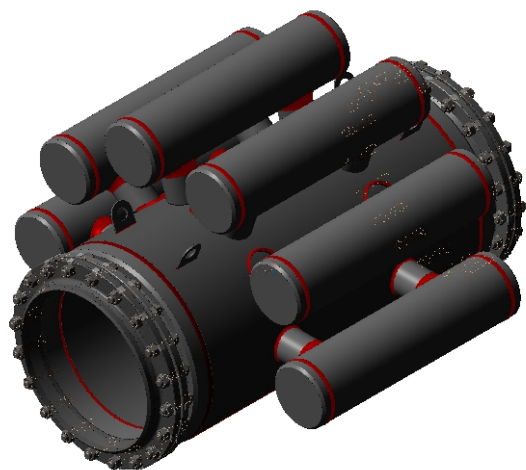
DN: 600
*** - Version**
T - up to 300 °C
Medium – see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1420	1134	1328	1120	-00	-04
1,6	1420	1134	1328	1120	-08	-12
2,5	1420	1134	1328	1120	-16	-20
4,0	1420	1134	1328	1120	-24	-26
6,0	1480	1248	1452	1740	-	-28
11,0	1480	1264	1458	2450	-30	-
12,0	1480	1264	1458	2450	-	-32
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



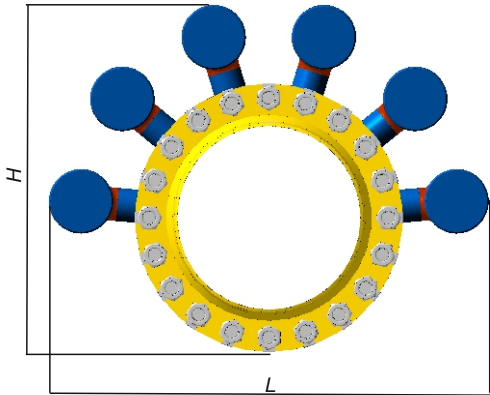
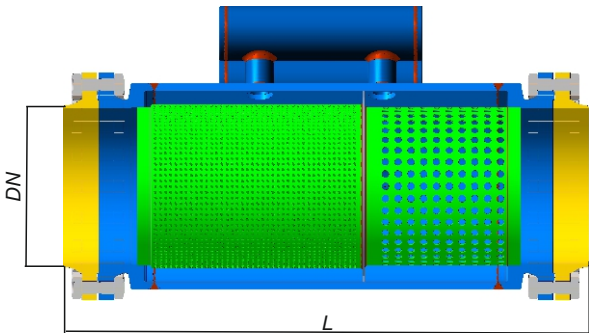
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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DN: 600
* - Version
_ T - up to 300 °C
Flanges - see point 5
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	2060	1134	1328	1848	-01	-05
1,6	2060	1134	1328	1848	-09	-13
2,5	2060	1134	1328	1848	-17	-21
4,0	2060	1134	1328	1848	-25	-27
6,0	2120	1248	1452	3130	-	-29
11,0	2140	1264	1458	4850	-31	-
12,0	2140	1264	1458	4850	-	-33
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



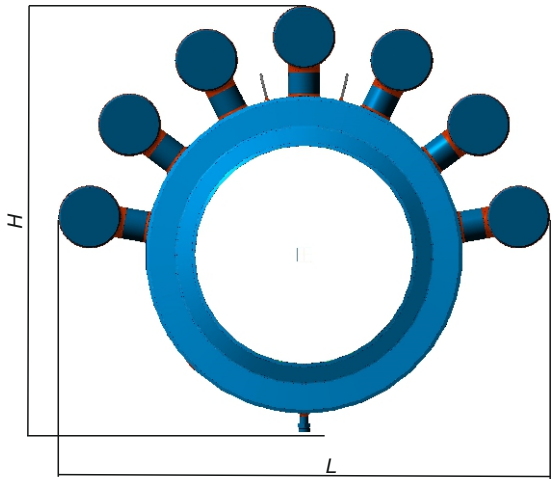
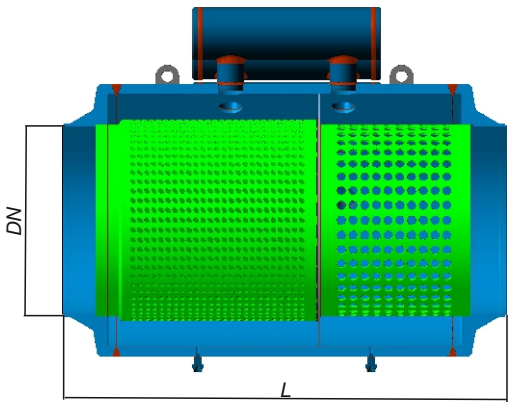
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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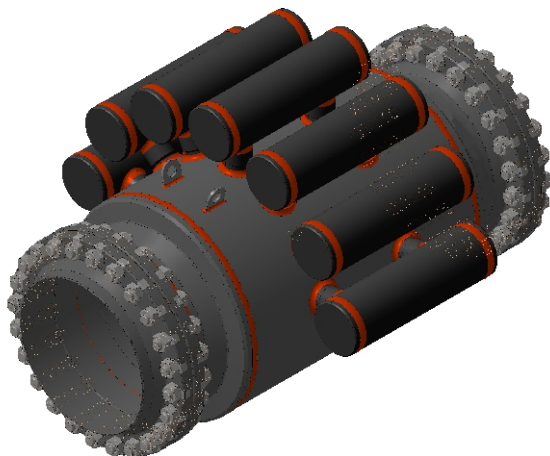
DN: 700/800
* - Version
T - up to 300 °C
Medium – see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1720	1400	1585	1350	-00	-02
1,6	1720	1400	1585	1350	-04	-06
2,5	1770	1428	1620	2000	-08	-10
4,0	1770	1428	1620	2000	-12	-14
6,0	1810	1460	1675	2640	-	-16
11,0	1850	1550	1784	4600	-18	-
12,0	1850	1550	1784	4600	-	-20
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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DN: 700/800

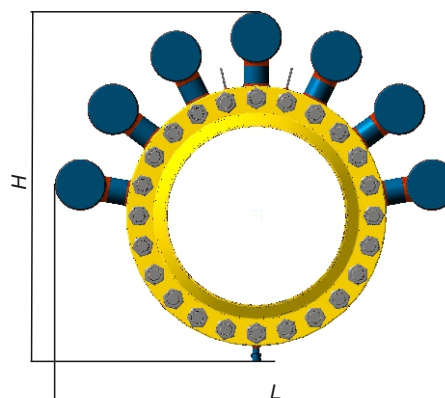
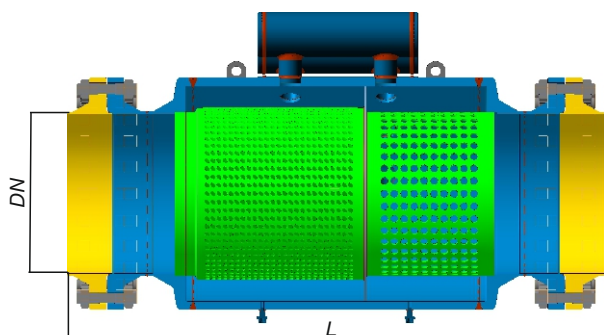
* - Version

T - up to 300 °C

Flanges - see point 5

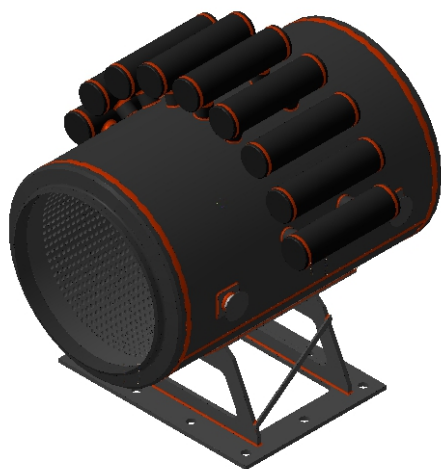
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	1910	1400	1585	1560	-01	-03
1,6	2010	1400	1585	1780	-05	-07
2,5	2110	1428	1630	2660	-09	-11
4,0	2220	1428	1630	2960	-13	-15
6,0	2390	1460	1675	4010	-	-17
11,0	2450	1550	1784	6650	-19	-
12,0	2450	1550	1784	6650	-	-21
13,0	-	-	-	-	-	-
14,0	-	-	-	-	-	-
20,0	-	-	-	-	-	-
25,0	-	-	-	-	-	-
25,0/45,0		According to the customer's request				



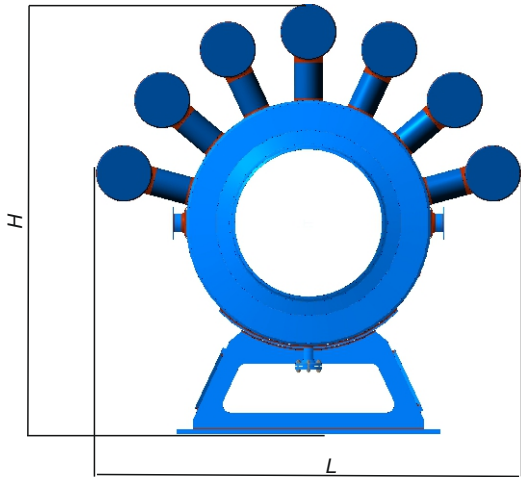
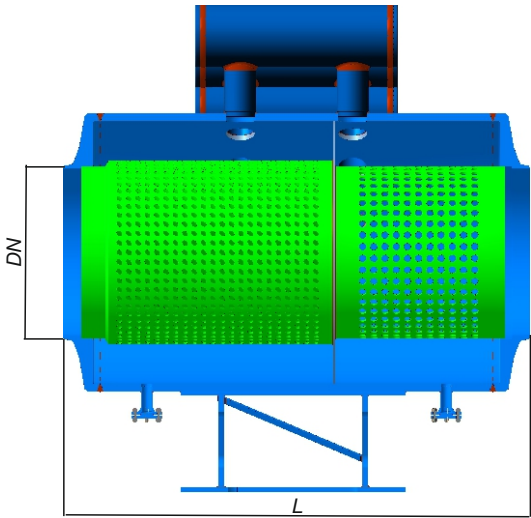
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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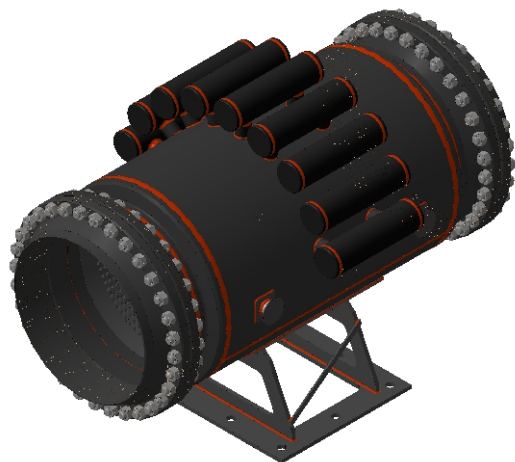
DN: 900/1000
* - Version
_ T - up to 250 °C
Medium – see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	2450	2510	2340	4130	-00	-02
1,6	2450	2510	2340	4130	-04	-06
2,5	2470	2550	2380	4940	-08	-10
4,0	2490	2580	2400	6040	-12	-14
6,0/45,0		According to the customer's request				



PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
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DN: 900/1000

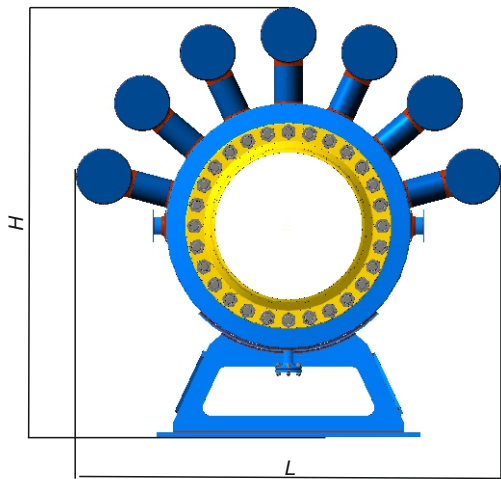
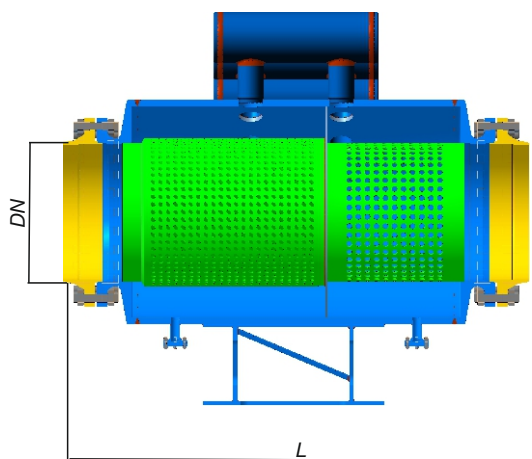
* - Version

T - up to 250 °C

Flanges - see point 5

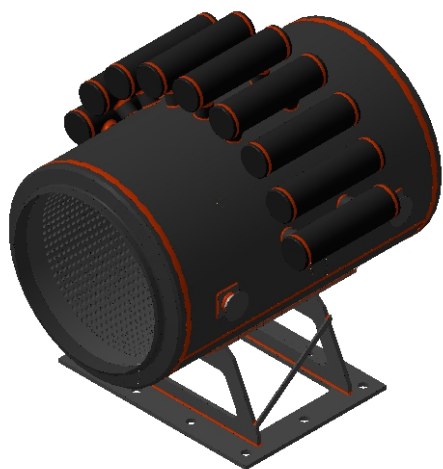
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	2600	2510	2340	4670	-01	-03
1,6	2600	2510	2340	5010	-05	-07
2,5	2720	2550	2380	6350	-09	-11
4,0	2900	2580	2400	8210	-13	-15
6,0/45,0		According to the customer's request				



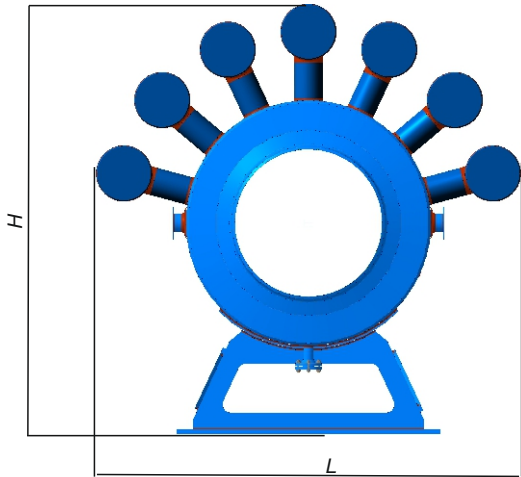
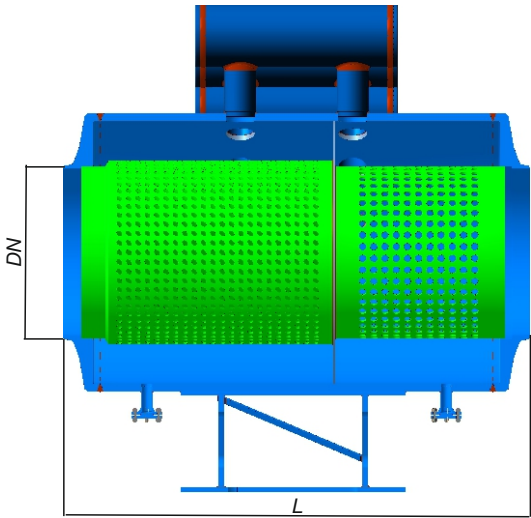
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_



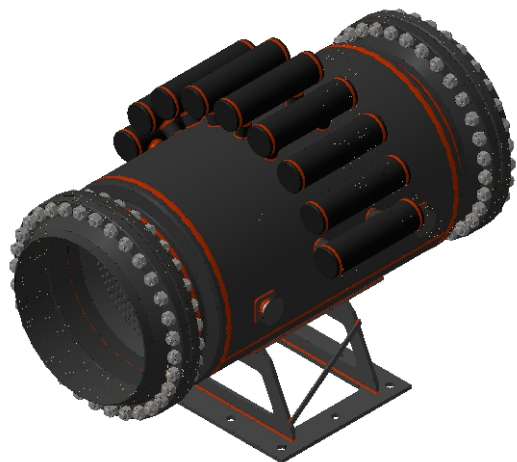
DN: 900/1000
* - Version
_ - T - up to 250 °C
Medium - see point 4

Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	2580	2610	2580	7500	-00	-02
1,6	2580	2610	2580	7500	-04	-06
2,5	2580	2610	2580	7500	-08	-10
4,0	2580	2610	2580	7500	-12	-14
6,0/45,0		According to the customer's request				



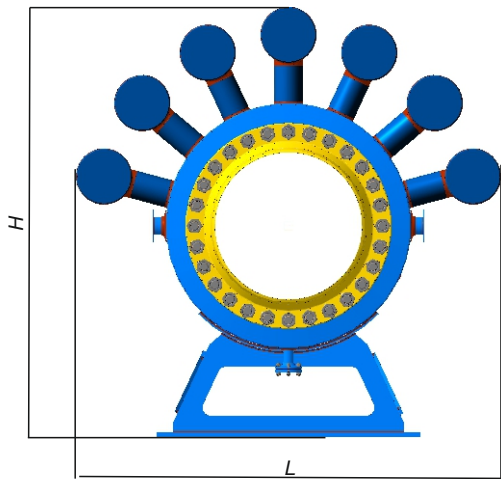
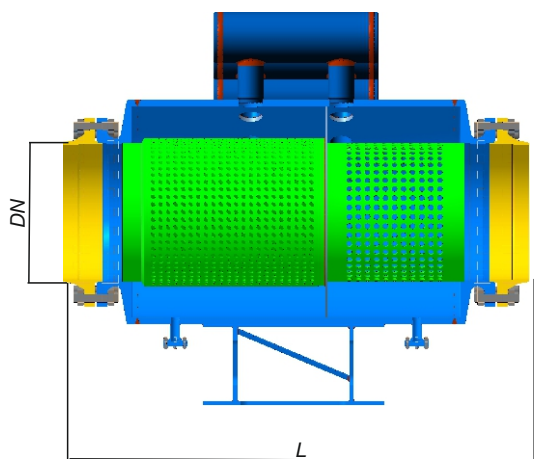
PRESSURE AUTOSTABILIZER (CHAMBER TYPE)

SSD. P. K. DN - *
_

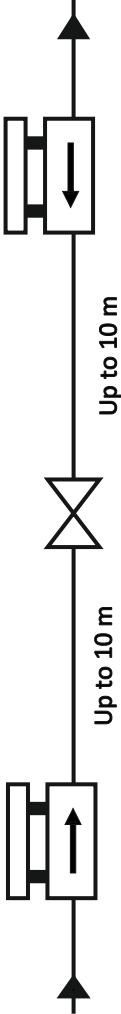
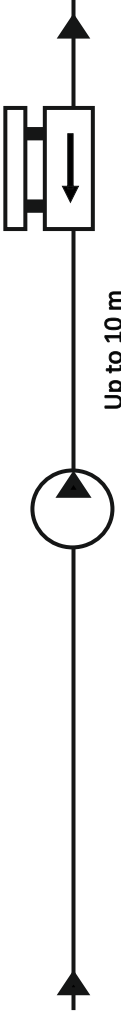
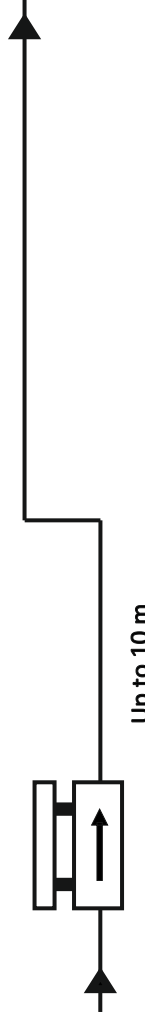
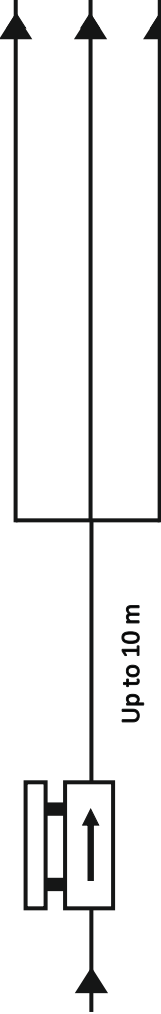
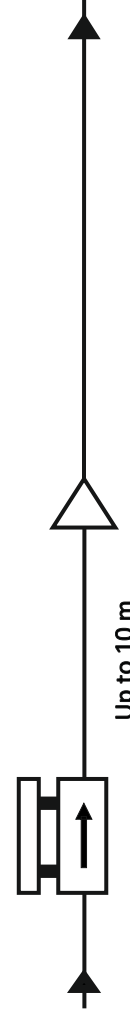


DN: 1200
*** - Version**
T - up to 250 °C
Flanges - see point 5
Medium - see point 4

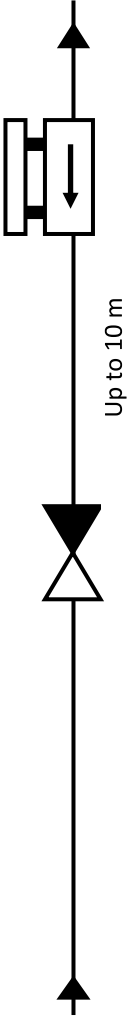
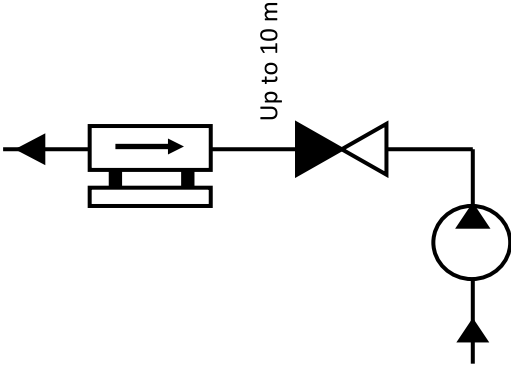
Working Pressure P, MPa	Length L, mm	Altitude H, mm	Width B, mm	Mass (max) M, kg	Steel Types	
					Stainless steel	Carbon steel
1,0	3300	2610	2580	10640	-01	-03
1,6	3300	2610	2580	10640	-05	-07
2,5	3300	2610	2580	10640	-09	-11
4,0	3300	2610	2580	10640	-13	-15
6,0/45,0		According to the customer's request				



GUIDLINE FOR PA INSTALLATION

Nº	Installation site	Diagram installation
1	In immediate vicinity of check valves, pumps and other sources of disturbance including gate valves, regulating valves (before and after these devices)	
2	After pumps	
3	In systems where pumps are used to boost pressure in the pipeline, PA must be installed before and after the pumps	
4	In section where a two-phase flow can occur, in section where two flows with different parameters get mixed	
5	Under pipe bend	
6	On branching section of pipeline (three-way pipe)	
7	Under pipe restrictor	

GUIDLINE FOR PA INSTALLATION

Nº	Installation site	Diagram installation
8	After check valve	
9	On vertical section with possibility of circulation backflow, after check valve (in the direction of working fluid)	

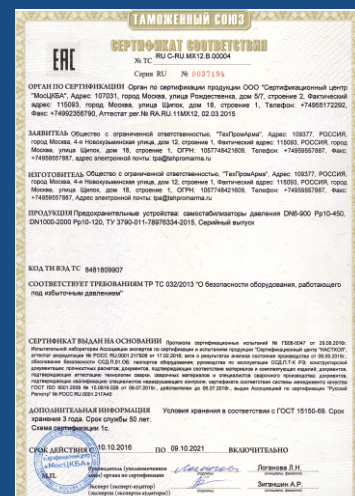
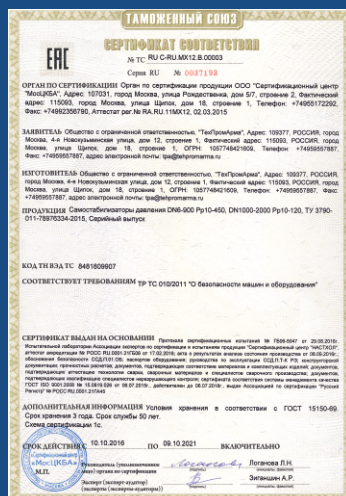
OPDER FORM

Completed order form please send to our E-mail: tpa@tehpromarma.ru

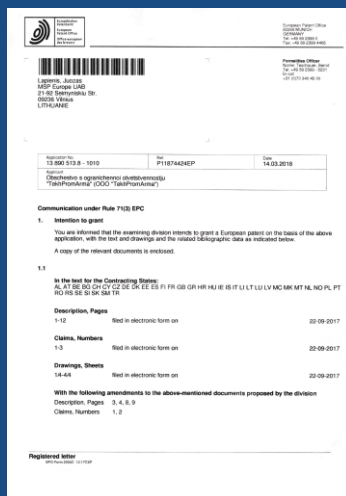
Data:			
Customer:			
1.			
2.			
Disturbance source, characteristics:			
Pump/ compressor	Type		
	Flow, m ³ /h		
	Upstream pressure, MPa		
	Downstream pressure, MPa		
	Number of simultaneously working pumps /compressors		
Valves	Global valve/gate valve/gate/others	Type	
		DN, mm	
		Opening/closing time, sec	
		Valve actuating frequency	
	Regulating valve	Type	
		DN, mm	
		Flow, m ³ /h	
Working medium	Ambient temperature, C°		
	Medium temperature, C°		
	Working pressure, MPa		
	Medium composition	Name of medium	
		Component, %	
		Density, kg/m ³	
	Pipeline	Supply pipeline diameter, mm	
		Flow, m ³ /h	
		Flow rate, m/s	
		Pipeline age, years	
		Pipeline elevation difference, m	
Pipeline material			
<u>You must enclose installation diagram with indication of valves and pipe lengths (or piping sketch)</u>			

Order-form for Pressure Autostabilizer		
Nominal diameter, mm		
Versions:		
		
Pipe type up to DN100	Chamber type DN125 - 2000	
Nominal pressure, MPa		
End connection type of pipeline	Flanged/ flanged with set of counter flanges	
	Welding	
	Screwed	
Type of material	Steel 20 (carbon steel)	
	09G2S (low alloy steel grade)	
	08H18N10T (stainless steel)	
	other	
Availability of connecting pipe		
The proposed Pressure Autostabilizer shall comply with the requirements: - performance (instant response to hydrodynamic disturbance) - energy independent - no regulatory controls and no loss of process medium - damping elements don't wear out and don't require replacement - Pressure Autostabilizer operation based on autostabilization effect. Impulse acts as a damping element		
If needed the manufacturer may request additional information		
Full names of authorized representatives		
Tel./E-Mail		

SERTIFICATION



PATENTS



The Eurasian Patent

European Patent Organisation makes a decision to grant the European Patent

The American Patent



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