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FLOW CONTROL EQUIPMENTS



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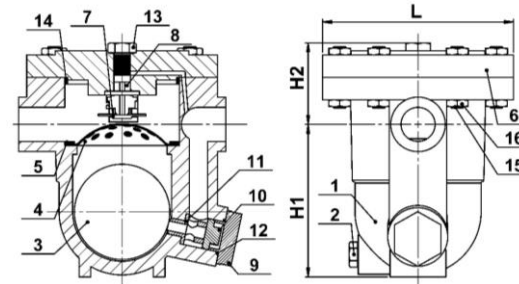


CONTENTS

1- STEAM TRAPS	
FREE FLOAT STEAM TRAPS	2,3,4
FLOAT STEAM TRAPS	5,6,7,8,9,10
THERMODYNAMIC STEAM TRAP	11,12,13,14
INVERTED BUCKET STEAM TRAP	15,16
THERMOSTATIC STEAM TRAP	17,18
BI-METAL STEAM TRAP	19,20
2- FLOAT AIR ELIMINATOR	
FLOAT AIR ELIMINATOR	21,22
3- SIGHT FLOW INDICATORS	
THREADED SIGHT FLOW INDICATOR	23
FLANGED SIGHT FLOW INDICATOR	24
4- BUTTERFLY VALVES	
WAFER TYPE BUTTERFLY VALVE	25,26,27,28,29
LUG TYPE BUTTERFLY VALVE	30,31,32
PTFE GASKET BUTTERFLY VALVE	33,34,35,36,37,38
5- PRESSURE REGULATORS	
STAINLESS STEEL STEAM PRESSURE REDUCING VALVE	39
PILOT OPERATED STEAM PRESSURE REDUCING VALVE	40
DIRECT OPERATED STEAM PRESSURE REDUCING VALVE	41
6- STEAM AND WATER VALVES	
BELLOW SEAL GLOBE VALVE	42
HIGH PRESSURE BELLOW'S SEAL GLOBE VALVE	43
GLOBE VALVE	44
7- BALL VALVES	
STAINLESS STEEL BALL VALVES WITH PNEUMATIC ACTUATOR	45
STAINLESS STEEL BALL VALVES WITH ELECTRIC ACTUATORS	46
3 PC BALL VALVES WITH PNEUMATIC ACTUATOR	47
3 PC BALL VALVES WITH ELECTRIC ACTUATOR	48
3 WAY L TYPE BALL VALVE WITH ELECTRIC ACTUATOR	49
3 WAY T TYPE BALL VALVE WITH ELECTRIC ACTUATOR	50
BALL VALVE FULL PORT WITH PNEUMATIC ACTUATOR	51
BALL VALVE FULL PORT WITH ELECTRIC ACTUATOR	52
BALL VALVE 3 PC FULL PORT WITH PNEUMATIC ACTUATOR	53
BALL VALVE 3 PC FULL PORT WITH ELECTRIC ACTUATOR	54
MONOBLOCK BALL VALVES WITH PNEUMATIC ACTUATORS	55
MONOBLOCK BALL VALVES WITH ELECTRIC ACTUATORS	56
8- STRAINER VALVES	
T TYPE STRAINER	57
9- CHECK VALVES	
LIFT CHECK VALVE	58
STAINLESS STEEL WAFER DISCO CHECK VALVE	59
10- VACUUM BREAKER	
STAINLESS STEEL VACUUM BREAKER VALVE	60
11- SAFETY VALVES	
STAINLESS STEEL SAFETY VALVE WITH SPRING	61
PROPORTIONAL LIFT SAFETY VALVE WITH SPRING	62
12- KNIFE GATE VALVES	
CASTING KNIFE GATE VALVES	63
STAINLESS STEEL KNIFE GATE VALVES	64
13- ANGLE SEAT VALVES	
Y TYPE SINGLE ACT STAINLESS PNEUMATIC ANGLE SEAT VALVES	65
Y TYPE SINGLE ACT STAINLESS PNEUMATIC ANGLE SEAT VALVES	66
Y TYPE PNEUMATIC ANGLE SEAT VALVES	67
T TYPE SINGLE ACT PNEUMATIC ANGLE SEAT VALVES	68
14- CONTROL VALVES	
PROPORTIONAL CONTROL VALVES	69
PROPORTIONAL CONTROL VALVES WITH LINEER ACTUATORS	70
PROPORTIONAL CONTROL VALVE WITH ISOLATED	71
15- LEVEL INDICATORS	
STAINLESS STEEL MAGNETIC LEVEL INDICATOR	72
LIQUID LEVEL INDICATOR	73
16- BOILER DISCHARGE EQUIPMENT	
BOILER DISCHARGE EQUIPMENT THREADED / FLANGED	74
17- SEPERATORS	
VORTEX STEAM SEPARATORS	75
18- EXPANSION JOINTS	
RUBBER EXPANSION JOINT	76
AXIAL EXPANSION JOINT	77
EXTERNAL PRESSURIZED EXPANSION JOINT	78
19- AUTOMATIC BLOWDOWN SYSTEMS	
AUTOMATIC BLOWDOWN SYSTEMS	79
THERMOSTATIC AUTOMATISATION CONTROL VALVE	80
AUTOMATIC SURFACE BLOWDOWN SYSTEMS	81
PRESSURE REDUCING AUTOMATISATION CONTROL VALVE	82
20- DEMISTERS	
MIST ELIMINATOR	83
21- FLASH STEAM RECYLING SYSTEMS	
FLASH STEAM RECYCLING SYSTEM	84
22- STAINLESS STEEL JACKEDED HOSES	
STAINLESS STEEL JACKET HOSE	85
STAINLESS STEEL BRAIDED HOSES	85
STAINLESS STEEL BRAIDED HOSES	85

FREE FLOAT STEAM TRAP

TYPE NST-55X



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB) 304 / 316
2	CLEANING PLUG	2Cr13
3	FLOAT	2Cr13
4	FILTER	2Cr13
5	RETAINER RING	A3
6	COVER	CARBON STEEL (WCB)
7	THERMOSTATIC X-ELEMENT	HASTELLOY
8	AIR ELIMINATOR SEAT	2Cr13
9	SCREW PLUG	45
10	ORIFICE STOPPER	2Cr13
11	ORIFICE	2Cr13
12	GASKET	STEEL
13	COVER PLUG	STEEL
14	COVER GASKET	SS 304 + GRAPHITE
15	STUD BOLT	SAE Gr.5
16	NUT	SAE Gr.5

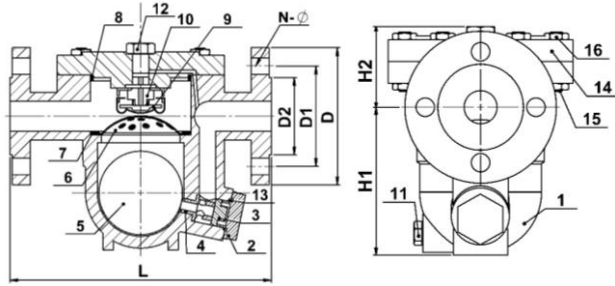
DIMENSIONS			
SIZE	L	H1	H2
1/2"	150 MM	110 MM	57
3/4"	150 MM	110 MM	57
1"	150 MM	110 MM	57
1 1/4"	155 MM	113 MM	55
1 1/2"	155 MM	113 MM	55
2"	210 MM	113 MM	55

CONNECTION	THREADED BSP					
SIZES	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
WEIGHTS (KGS)	5,5	5,5	5,5	6,5	7	7,5

OPERATING CONDITIONS	
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	8

FREE FLOAT STEAM TRAP

TYPE NST-55FX



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB)
2	SCREW PLUG	45
3	ORIFICE STOPPER	2Cr13
4	ORIFICE	2Cr13
5	FLOAT	SS 304
6	FILTER	SS 304
7	RETAINER RING	A3
8	COVER GASKET	SS 304 + GRAPHITE
9	THERMOSTATIC X-ELEMENT	HASTELLOY
10	AIR ELIMINATOR SEAT	2Cr13
11	CLEANING PLUG	2Cr13
12	COVER PLUG	STEEL
13	GASKET	STEEL
14	COVER	CARBON STEEL
15	STUD BOLT	SAE.Gr.5
16	NUT	SAE Gr.5

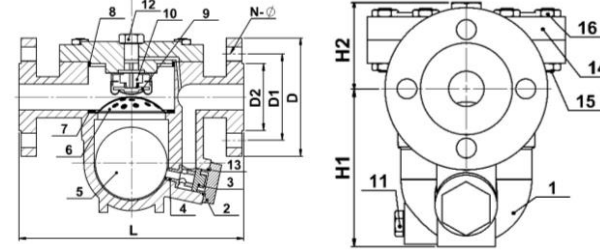
DIMENSIONS							
SIZE	L	H1	H2	D	D1	D2	N-Ø
DN15	195 MM	105 MM	100 MM	95	65	45	4*14
DN20	195 MM	105 MM	100 MM	105	75	58	4*14
DN25	215 MM	115 MM	105 MM	115	85	68	4*14
DN32	270 MM	155 MM	110 MM	140	100	78	4*18
DN40	280 MM	170 MM	115 MM	150	110	88	4*18
DN50	290 MM	175 MM	120 MM	165	125	102	4*18

CONNECTION	FLANGED					
SIZES	DN15	DN20	DN25	DN32	DN40	DN50
WEIGHT (KGS)	7,5	7,8	10			

OPERATING CONDITIONS	
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	8

FREE FLOAT STEAM TRAP

TYPE NST-775FX



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB)
2	SCREW PLUG	45
3	ORIFICE STOPPER	SS 304
4	ORIFICE	SS 304
5	FLOAT	SS 304
6	FILTER	SS 304
7	RETAINER RING	A3
8	COVER GASKET	SS 304 + GRAPHITE
9	THERMOSTATIC X-ELEMENT	HASTELLOY
10	AIR ELIMINATOR SEAT	2Cr13 – SS 304-316
11	CLEANING PLUG	2Cr13
12	COVER PLUG	STEEL
13	ORIFICE GASKET	STEEL
14	COVER	CARBON STEEL
15	STUD BOLT	SAE Gr.5
16	NUT	SAE Gr.5

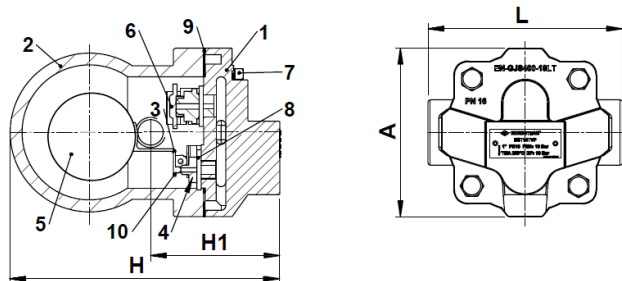
DIMENSIONS							
SIZE	L	H1	H2	D	D1	D2	N-Ø
DN32	410 MM	270 MM	132 MM	95	65	45	4-18
DN40	410 MM	270 MM	132 MM	105	75	58	4-18
DN50	410 MM	270 MM	132 MM	115	85	68	4-18
DN65	410 MM	270 MM	139 MM	140	100	78	4-18
DN80	430 MM	315 MM	150 MM	150	110	88	8-18
DN100	430 MM	323 MM	158 MM	165	125	102	8-18

CONNECTION	FLANGED					
SIZES	DN32	DN40	DN50	DN65	DN80	DN100
WEIGHT (KGS)	40,5	40,75	42,5	44	46	47,5

OPERATING CONDITIONS	
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	8

FLOAT STEAM TRAP

TYPE NST-14TVP



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693 & WCB, AISI304, AISI316
2	BODY	ENGJS 400 18 DIN 1693 & WCB, AISI304, AISI316
3	FLOAT SEAT	SS 304
4	VALVE SEAT	SS 410
5	FLOAT AND ITS LEVER	SS 304
6	THERMOSTATIC ELEMENT	SS 304
7	COVER BOLT	SAE Gr. 5
8	VALVE SEAT GASKET	SS 304
9	COVER GASKET	SS 304 + GRAPHITE
10	CLOSING VALVE	SS 304

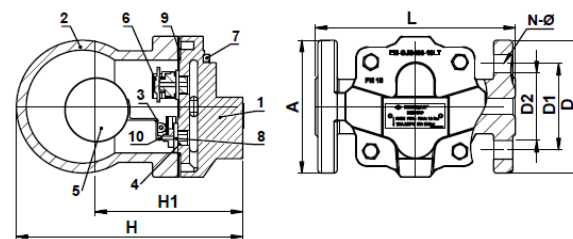
DIMENSIONS				
SIZE BSP	L	A	H1	H
1/2 "	122 MM	108 MM	68 MM	160 MM
3/4 "	122 MM	108 MM	68 MM	160 MM
1 "	145 MM	108 MM	107 MM	170 MM

CONNECTION	THREADED BSP		
SIZES	1/2 "	3/4 "	1 "
WEIGHTS (KGS)	3,2	3,2	4,1

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24 - 50
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16 - 40
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	4,5 , 10 , 14

FLOAT STEAM TRAP

TYPE NST-14FTVP



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693 & WCB, AISI304, AISI316
2	BODY	ENGJS 400 18 DIN 1693 & WCB, AISI304, AISI316
3	FLOAT SEAT	SS 304
4	VALVE SEAT	SS 410
5	FLOAT AND ITS LEVER	SS 304
6	THERMOSTATIC ELEMENT	SS 304
7	COVER BOLT	EN4014 M10 8.8
8	VALVE SEAT GASKET	SS 304
9	COVER GASKET	SS 304 + GRAPHITE
10	CLOSING VALVE	SS 304

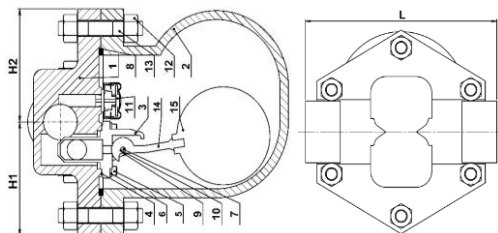
DIMENSIONS								
SIZE	L	A	H1	H	D	D1	D2	N-Ø
DN15	150 MM	110 MM	68 MM	160 MM	95	65	45	4*14
DN20	150 MM	110 MM	68 MM	160 MM	105	75	58	4*14
DN25	160 MM	110 MM	107 MM	170 MM	115	85	68	4*14

CONNECTION	FLANGED		
SIZES	DN 15	DN 20	DN 25
WEIGHT (KGS)	4,8	5,1	6,9

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24 - 60
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16 - 40
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	4,5 , 10 , 14

FLOAT STEAM TRAP

TYPE NST-43TVE

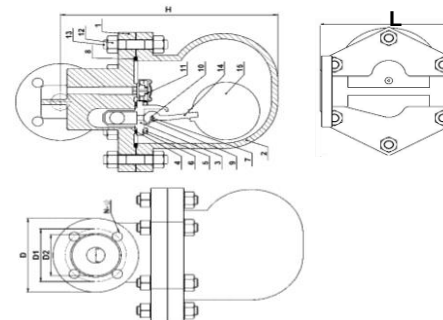


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693
2	BODY	ENGJS 400 18 DIN 1693
3	VALVE SEAT	SS
4	WATER HAMMER PREVENTER	SS
5	VALVE SEAT BOLT	SS 304 & 316
6	VALVE SEAT NUT	SS 304 & 316
7	SHAFT	SS 304 & 316
8	COVER GASKET	SS 304 + GRAPHITE
9	SHAFT GASKET	SS 304 & 316
10	PIN	SS 304 & 316
11	THERMOSTATIC ELEMENT	SS 304
12	COVER NUT	SAE Gr.5
13	COVER STUD	SAE Gr.5
14	FLOAT HANDLE	SS
15	FLOAT BALL	SS

DIMENSIONS			
SIZE	L	H1	H2
1 1/4"	250 MM	130	125
1 1/2"	250 MM	130	125
2 "	250 MM	130	125

CONNECTION	THREADED BSP		
SIZES	1 1/4 "	1 1/2 "	2 "
WEIGHT KGS	23,5	24,5	25,5

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	220
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	4,5 , 10 , 14



FLOAT STEAM TRAP

TYPE NST-43FTVP



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693
2	BODY	ENGJS 400 18 DIN 1693
3	VALVE SEAT	SS
4	WATER HAMMER PREVENTER	SS
5	VALVE SEAT BOLT	SS 304 & 316
6	VALVE SEAT NUT	SS 304 & 316
7	SHAFT	SS 304 & 316
8	COVER GASKET	NON ASBESTOS GASKET
9	SHAFT GASKET	SS 304 & 316
10	PIN	SS 304 & 316
11	THERMOSTATIC ELEMENT	SS 304
12	COVER NUT	SAE Gr.5
13	COVER STUD	SAE Gr.5
14	FLOAT HANDLE	SS 304
15	FLOAT BALL	SS 304

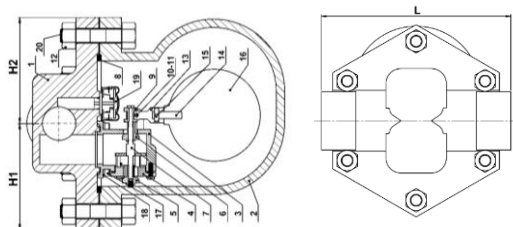
DIMENSIONS						
SIZE	L	H	D	D1	D2	N-Ø
DN32	230 MM	318 MM	140	100	78	4*18
DN40	230 MM	327 MM	150	110	88	4*18
DN50	230 MM	334 MM	165	125	102	4*18

CONNECTION	FLANGED		
SIZES	DN32	DN40	DN50
WEIGHTS (KGS)	27	30	30,5

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	220
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	4,5 , 10 , 14

FLOAT STEAM TRAP

TYPE NST-44TVE



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693 & WCB
2	BODY	ENGJS 400 18 DIN 1693 & WCB
3	VALVE SEAT	SS 420
4	VALVE SEAT COVER	SS 420
5	BOTTOM SEAT	SS 410
6	TOP SEAT	SS 410
7	SHAFT	SS 304
8	COVER GASKET	SS 304 + GRAPHITE
9	SHAFT GASKET	SS 304
10	PIN	SS 304
11	PIN	SS 304
12	COVER NUT	SAE Gr. 5
13	HOOK	SS 420
14	FLOAT BOLT	SS 304
15	FLOAT NUT	SS 304
16	FLOAT BALL	SS 304
17	BOLT	SS 304
18	NUT	SS 304
19	THERMOSTATIC ELEMENT	SS 304
20	COVER BOLT	SAE Gr. 5

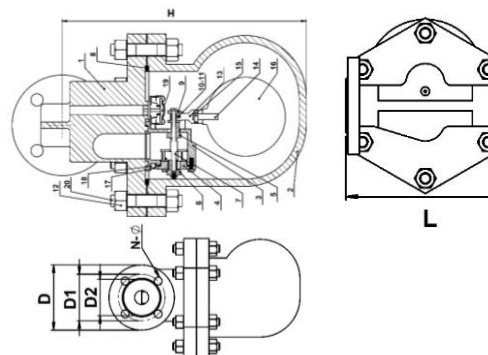
DIMENSIONS			
SIZE	L	H1	H2
1 1/4"	250 MM	130	125
1 1/2"	250 MM	130	125
2 "	250 MM	130	125

CONNECTION	THREADED BSP		
SIZES	1 1/4 "	1 1/2 "	2 "
WEIGHTS (KGS)	24	25	26

OPERATING CONDITIONS	
MAX.TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	220
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	4,5 - 10 - 14

FLOAT STEAM TRAP

TYPE NST-44FTVP

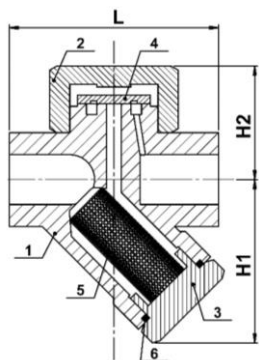


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	ENGJS 400 18 DIN 1693 & WCB
2	BODY	ENGJS 400 18 DIN 1693 & WCB
3	VALVE SEAT	SS 420
4	VALVE SEAT COVER	SS 420
5	TOP SEAT	SS 410
6	BOTTOM SEAT	SS 410
7	SHAFT	SS 304
8	COVER GASKET	SS 304+GRAPHITE
9	SHAFT GASKET	SS 304
10	PIN	SS 304
11	PIN	SS 304
12	COVER NUT	SAE Gr. 5
13	HOOK	SS 420
14	FLOAT BOLT	SS 304
15	FLOAT NUT	SS 304
16	BALL FLOAT	SS 304
17	BOLT	SS 304
18	NUT	SS 304
19	THERMOSTATIC ELEMENT	SS 304
20	COVER BOLT	SAE Gr. 5

DIMENSIONS						
SIZE	L	H	D	D1	D2	N-Ø
DN32	230 MM	330 MM	140	100	78	4*18
DN40	230 MM	335 MM	150	110	88	4*18
DN50	230 MM	337 MM	165	125	102	4*18
DN65	320 MM	257 MM	185	145	122	8*18
DN80	320 MM	270 MM	200	160	138	8*18
DN100	320 MM	270 MM	220	180	158	8*22

CONNECTION	FLANGED					
SIZES	DN32	DN40	DN50	DN65	DN80	DN100
WEIGHTS (KGS)	27	30	31	32	34	39

OPERATING CONDITIONS	
MAX.TEST PRESSURE PMA (BAR)	24 - 60
MAX. TEMPERATURE TMA (°C)	220
MAX. OPERATING PRESSURE PMO (BAR)	16-40
MAX.DIFFERENTIAL PRESSURE PMD (BAR)	4,5, 10, 14



THERMODYNAMIC STEAM TRAP

TYPE NST-3M

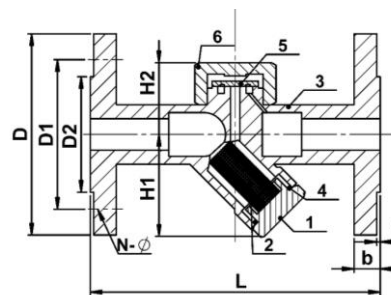


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL 420
2	TOP COVER	STAINLESS STEEL 420
3	FILTER COVER	STAINLESS STEEL 420
4	DISC	STAINLESS STEEL 420
5	FILTER	STAINLESS STEEL SS304
6	BUSHING	Cu

DIMENSIONS			
SIZE	L	H1	H2
1/2 "	78 MM	56,6 MM	43 MM
3/4 "	90 MM	60 MM	49,2 MM
1 "	95 MM	64 MM	57,5 MM

CONNECTION	THREADED BSP		
SIZES	1/2 "	3/4 "	1 "
WEIGHTS (KGS)	0.9	1,2	1,7

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	63
MAX. TEMPERATURE TMA (°C)	425
MAX. OPERATING PRESSURE PMO (BAR)	42
MAX.DIFFERENTIAL PRESSURE PMD (BAR)	21



THERMODYNAMIC STEAM TRAP

TYPE NST-3MF

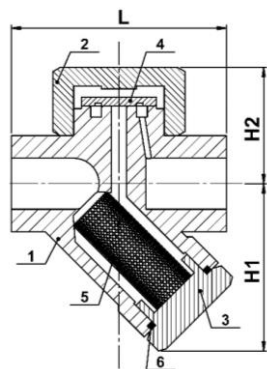


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	FILTER COVER	SS 420
2	FILTER	SS 304
3	BODY	SS 420
4	GASKET	SS
5	DISC	2Cr13
6	TOP COVER	SS 420

DIMENSIONS									
SIZE	L	H1	H2	D	D1	D2	b	f	N-Ø
DN15	150 MM	66,6 MM	33 MM	95	65	45	16	2	4~Ø14
DN20	150 MM	60 MM	39 MM	105	75	58	18	2	4~Ø14
DN25	160 MM	76,6 MM	45 MM	115	85	68	18	2	4~Ø14

CONNECTION	FLANGED		
SIZES	DN15	DN20	DN25
WEIGHTS (KGS)	2,4	3,1	4,2

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	63
MAX. TEMPERATURE TMA (°C)	425
MAX. OPERATING PRESSURE PMO (BAR)	42
MAX.DIFFERENTIAL PRESSURE PMD (BAR)	21



THERMODYNAMIC STEAM TRAP

TYPE NST-45D

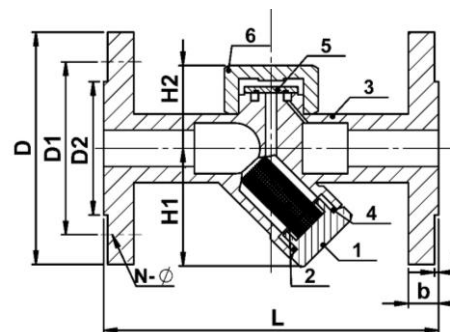


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB)
2	TOP COVER	CARBON STEEL (WCB)
3	FILTER COVER	35
4	DISC	2Cr13
5	FILTER	SS 304
6	GASKET	STEEL

DIMENSIONS			
SIZE	L	H2	H1
1/2 "	80 MM	54 MM	40 MM
3/4 "	90 MM	56 MM	44 MM
1 "	95 MM	62MM	59 MM

CONNECTION	THREADED BSP		
SIZES	1/2 "	3/4 "	1 "
WEIGHTS (KGS)	1,0	1,0	1,5

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	42
MAX. TEMPERATURE TMA (°C)	32
MAX. OPERATING PRESSURE PMO (BAR)	350
MAX.DIFFERENTIAL PRESSURE PMD (BAR)	21



THERMODYNAMIC STEAM TRAP

TYPE NST-45F

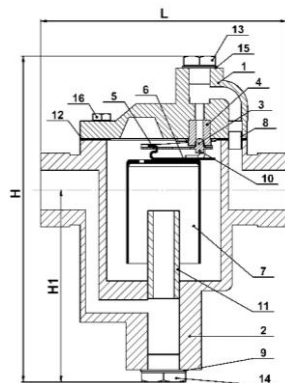


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	FILTER COVER	35
2	FILTER	SS 304
3	BODY	CARBON STEEL (WCB)
4	GASKET	SS 304 + GRAPHITE
5	DISC	2Cr13
6	TOP COVER	CARBON STEEL (WCB)

DIMENSIONS									
SIZE	L	H1	H2	D	D1	D2	b	f	N-Ø
DN15	150 MM	50 MM	55 MM	95	65	45	16	2	4~Ø14
DN20	150 MM	58 MM	55 MM	105	75	58	18	2	4~Ø14
DN25	160 MM	62 MM	58 MM	115	85	68	18	2	4~Ø14

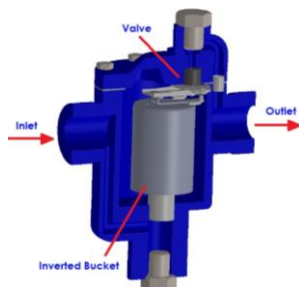
CONNECTION	FLANGED		
SIZES	DN15	DN20	DN25
WEIGHTS (KGS)	2,4	3,1	4,2

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	42
MAX. TEMPERATURE TMA (°C)	350
MAX. OPERATING PRESSURE PMO (BAR)	32
MAX.DIFFERENTIAL PRESSURE PMD (BAR)	21



INVERTED BUCKET STEAM TRAP

TYPE NST-881HSP

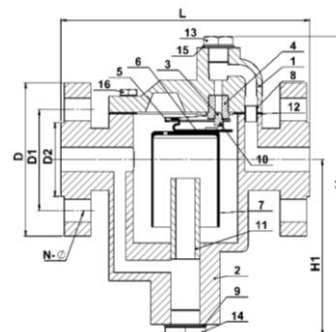


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	EN-GJL-250, GJS-400-18-LT
2	BODY	EN-GJL-250, GJS-400-18-LT
3	VALVE	SS 304
4	VALVE SEAT	SS 304
5	LEVER	SS 304
6	BUCKET CLIP	SS 304
7	BUCKET	SS 304
8	THIMBLE	SS 304
9	GASKET	KLINGERITE
10	VALVE CLIP	SS 304
11	INTERNAL TUBE	STEEL PIPE
12	GASKET	SS 304 + GRAPHITE
13	COVER PLUG	STEEL ST37
14	BOTTOM COVER PLUG	STEEL ST37
15	GASKET	KLINGERITE
16	COVER BOLT	SAE Gr.5

DIMENSIONS			
SIZE BSP	L	H	H1
1/2"	140 MM	170 MM	90 MM
3/4"	150 MM	180 MM	95 MM
1"	170 MM	190 MM	100 MM
1 1/4"	180 MM	200 MM	105 MM
1 1/2"	220 MM	235 MM	120 MM
2"	245 MM	275 MM	130 MM

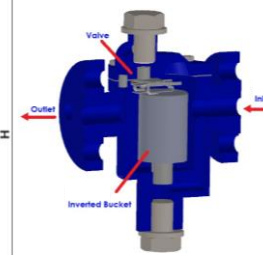
CONNECTION	THREADED BSP					
SIZES	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
WEIGHTS (KGS)	4,1	5,1	6,6	8,3	13,2	21,1

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	220
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	5,5 - 8
MAX. OPERATING PRESSURE (BAR)	16



INVERTED BUCKET STEAM TRAP

TYPE NST-881SFE

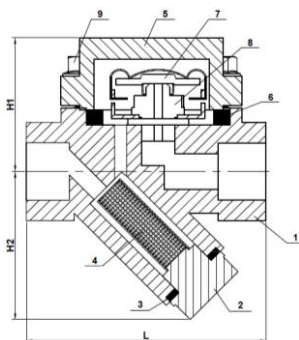


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	EN-GJL-250, GJS-400-18-LT
2	BODY	EN-GJL-250, GJS-400-18-LT
3	VALVE	SS 304
4	VALVE SEAT	SS 304
5	LEVER	SS 304
6	BUCKET CLIP	SS 304
7	BUCKET	SS 304
8	THIMBLE	SS 304
9	GASKET	KLINGERITE
10	VALVE CLIP	SS 304
11	INTERNAL TUBE	STEEL PIPE
12	GASKET	SS 304 + GRAPHITE
13	COVER PLUG	STEEL ST37
14	BOTTOM COVER PLUG	STEEL ST37
15	GASKET	KLINGERITE
16	COVER BOLT	SAE Gr.5

DIMENSIONS							
SIZE	L	H	H1	D	D1	D2	N-Ø
DN15	170 MM	170 MM	90 MM	95	65	45	4*14
DN20	180 MM	180 MM	95 MM	105	75	58	4*14
DN25	195 MM	190 MM	100 MM	115	85	68	4*14
DN32	205 MM	200 MM	105 MM	140	100	78	4*18
DN40	245 MM	235 MM	120 MM	150	110	88	4*18
DN50	280 MM	275 MM	130 MM	165	125	102	4*18

CONNECTION	FLANGED					
SIZES	DN 15	DN 20	DN 25	DN 32	DN40	DN50
WEIGHTS (KGS)	5,5	6,4	8,1	9,9	15,8	24,9

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	220
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	5,5 - 8
MAX. OPERATING PRESSURE (BAR)	16



THERMOSTATIC STEAM TRAP

TYPE NST-TKD21

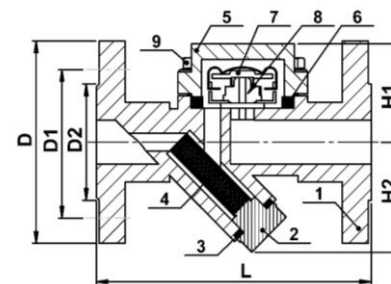


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	A105
2	BLIND PLUG	45
3	PLUG GASKET	SS 304
4	FILTER	SS304
5	COVER	A105
6	COVER GASKET	SS 304 + GRAPHITE
7	THERMOSTATIC ELEMENT	SS 304
8	VALVE SEAT	2Cr13
9	BOLT	SAE Gr. 5

DIMENSIONS			
SIZE	L	H1	H2
1/2 "	100 MM	58 MM	55 MM
3/4 "	100 MM	58 MM	55 MM
1"	120 MM	60 MM	55 MM
1 1/4"	150 MM	85 MM	60 MM
1 1/2"	150 MM	85 MM	60 MM
2"	160 MM	85 MM	60 MM

CONNECTION	THREADED BSP					
SIZES	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
WEIGHTS (KGS)	1,82	2,04	2,2	3,8	4	4,2

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	16
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	10
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	7



THERMOSTATIC STEAM TRAP

TYPE NST-TKD21F

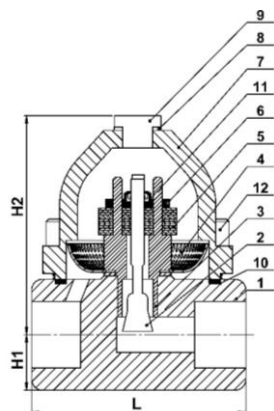


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	A105
2	BLIND PLUG	45
3	PLUG GASKET	SS 304
4	FILTER	SS304
5	COVER	A105
6	COVER GASKET	SS 304 + GRAPHITE
7	THERMOSTATIC ELEMENT	SS 304
8	VALVE SEAT	2Cr13
9	BOLT	SAE Gr. 5

DIMENSIONS						
SIZE	L	H1	H2	D	D1	D2
DN15	150 MM	58 MM	55 MM	95	65	45
DN20	150 MM	58 MM	55 MM	105	75	58
DN25	150 MM	60 MM	55 MM	115	85	68
DN32	230 MM	85 MM	60 MM	140	100	78
DN40	230 MM	85 MM	60 MM	150	110	88
DN50	230 MM	85 MM	60 MM	165	125	102

CONNECTION	FLANGED					
SIZES	DN15	DN20	DN25	DN32	DN40	DN50
WEIGHTS (KGS)	3,38	3,72	4,2	7,98	8,94	10,12

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	16
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	10
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	7



BI-METALIC STEAM TRAP

TYPE NST-21

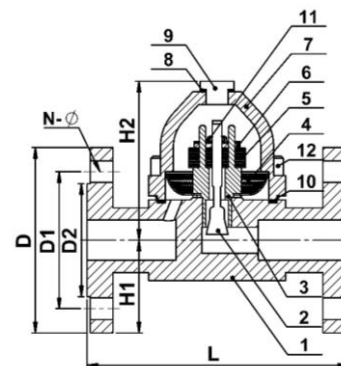


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB)
2	DISC	2Cr13
3	SEAT	2Cr13
4	FILTER	SS 304
5	BI-METAL METAL SHEET	FPA206-78
6	DISC GASKET	304
7	COVER	CARBON STEEL (WCB)
8	GASKET	SS 304 + GRAPHITE
9	COVER BOLT	35
10	BODY GASKET	SS 304
11	DISC STOPPER	2Cr13
12	COVER STUD	SAE Gr.5

DIMENSIONS			
SIZE BSP	L	H1	H2
1/2 "	95 MM	22 MM	100 MM
3/4 "	95 MM	22 MM	100 MM
1"	95 MM	22 MM	100 MM
1 1/4"	200 MM	39 MM	140 MM
1 1/2"	200 MM	39 MM	140 MM
2"	230 MM	39 MM	140 MM

CONNECTION	THREADED BSP					
SIZES	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
WEIGHTS (KGS)	2,7	2,7	2,5	3	3,7	4,7

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	40
MAX. TEMPERATURE TMA (°C)	300
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	21



BI-METALIC STEAM TRAP

TYPE NST-21F



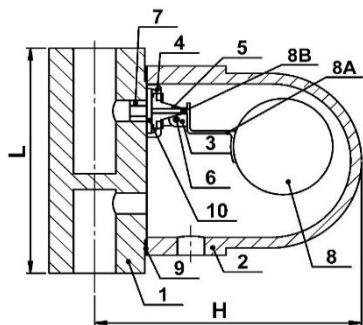
SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (WCB)
2	DISC	2Cr13
3	SEAT	2Cr13
4	FILTER	SS 304
5	BI-METAL METAL SHEET	FPA206-78
6	DISC GASKET	SS 304
7	COVER	CARBON STEEL (WCB)
8	GASKET	SS 304 + GRAPHITE
9	COVER BOLT	35
10	BODY GASKET	SS 304
11	DISC STOPPER	2Cr13
12	COVER STUD	SAE Gr.5

DIMENSIONS							
SIZE	L	H1	H2	D	D1	D2	N-Ø
DN15	150 MM	22 MM	100 MM	95	65	45	4-14
DN20	150 MM	22 MM	100 MM	105	75	58	4-14
DN25	160 MM	22 MM	100 MM	115	85	68	4-14
DN32	210 MM	40 MM	140 MM	140	100	78	4-18
DN40	210 MM	40 MM	140 MM	150	110	88	4-18
DN50	230 MM	40 MM	140 MM	165	125	102	4-18

CONNECTION	FLANGED					
SIZES	DN15	DN20	DN25	DN32	DN40	DN50
WEIGHTS (KGS)	4	4,8	5,2	6,3	7,3	9,4

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	40
MAX. TEMPERATURE TMA (°C)	300
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	21

FLOAT AIR ELIMINATOR (STEAM TRAP FOR LIQUID)



TYPE NST-10E



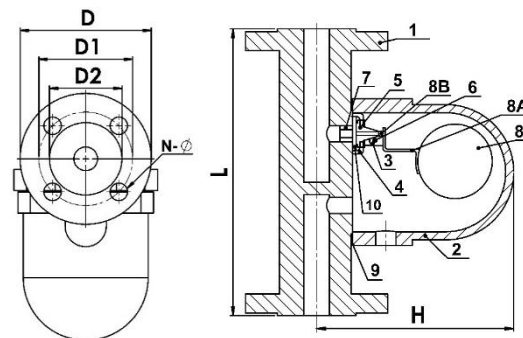
SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	CI ASTM A48 CLASS 30
2	BODY	CI ASTM A48 CLASS 30
3	FLOAT SEAT	SS 304
4	SUPPORT FRAME	SS 304
5	VALVE SEAT	SS 410
6	PIVOT PIN	SS 304
7	SET BOLTS	SS 304
8	FLOAT LEVER	SS 304
8A	FLOAT CLIP	SS 304
8B	FLOAT VALVE	SAE Gr. 5
9	COVER GASKET	SS 304 + GRAPHITE
10	VALVE SEAT GASKET	SS 304

DIMENSIONS		
SIZE	L	H
1/2" "	128 mm	140 mm
3/4" "	128 mm	140 mm

CONNECTION	THREADED BSP
SIZES	1/2" - 3/4"
WEIGHTS (KGS)	5,0

OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	6

FLOAT AIR ELIMINATOR(STEAM TRAP FOR LIQUID)



TYPE NST-11FE



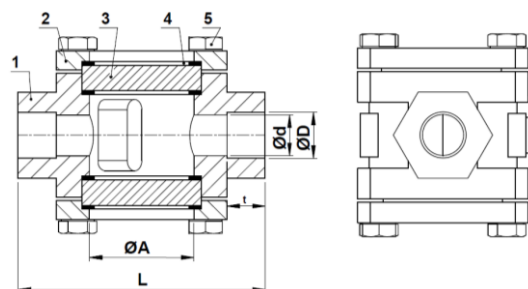
SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	COVER	CI ASTM A48 CLASS 30
2	BODY	CI ASTM A48 CLASS 30
3	FLOAT SEAT	SS 304
4	SUPPORT FRAME	SS 304
5	VALVE SEAT	SS 410
6	PIVOT PIN	SS 304
7	SET BOLTS	SS 304
8	FLOAT LEVER	SS 304
8A	FLOAT CLIP	SS 304
8B	FLOAT VALVE	SAE Gr. 5
9	COVER GASKET	SS 304 + GRAPHITE
10	VALVE SEAT GASKET	SS 304

DIMENSIONS						
SIZE	L	H	D	D1	D2	N-Ø
DN15	210 mm	140 mm	95	65	45	4*14
DN20	210 mm	140 mm	105	75	58	4*14

CONNECTION	FLANGED	
SIZES	DN 15	DN 20
WEIGHTS (KGS)	6,7	7,2

OPERATING CONDITIONS	
MAX. PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	250
MAX. OPERATING PRESSURE PMO (BAR)	16
MAX. DIFFERENTIAL PRESSURE PMD (BAR)	6

SIGHT FLOW INDICATORS



TYPE NST-AG1D



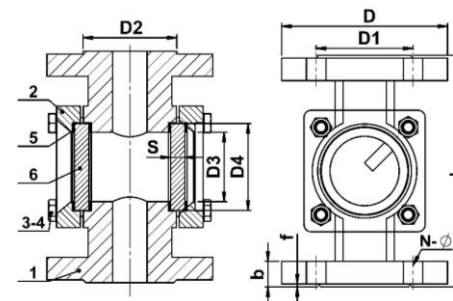
OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24 BAR
PRESSURE CLASS (OPTIONAL)	16 BAR
MAX. OPERATING TEMPERATURE	180°C

NO	DESCRIPTION	MATERIAL
1	BODY	EN-GJL-250, GJS-400-18-LT / WCB / SS304 / SS316
2	COVER	EN-GJL-250, GJS-400-18-LT / WCB / SS304 / SS316
3	SIGHT GLASS	THERMAL GLASS
4	WINDOW SEALING GASKET	PTFE -PTFE
5	LOCK STUD NUT	CARBON STEEL SAE Gr 5 / AISI304

THREADED FLUID INDICATORS PN16					
SIGHT FLOW INDICATOR TYPE ØD	SIZE				
	L	Ød	t	ØA	KG
NST-AG1D / 1/2"	100	15	14	40	1,4
NST-AG1D / 3/4"	120	20	17	40	1,5
NST-AG1D / 1"	135	25	20	48	2,0
NST-AG1D / 1 1/4"	160	32	22	67	3,1
NST-AG1D / 1 1/2"	185	40	25	68	4,0
NSTAG1D / 2"	200	50	28	85	6,0

UPON REQUEST, FLUID INDICATORS ARE PRODUCED ACC. TO DN10 AND ASA STANDARTS

SIGHT FLOW INDICATORS



TYPE NST-AG1F



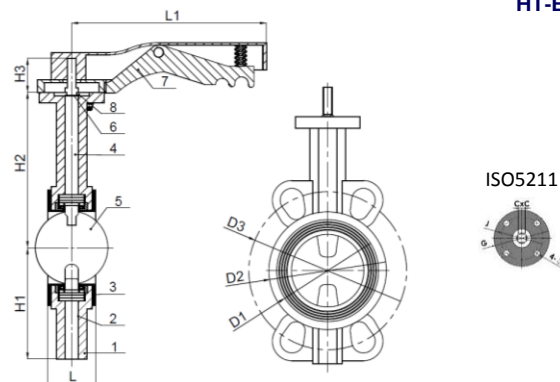
OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24 BAR
PRESSURE CLASS (OPTIONAL)	16 BAR
MAX. OPERATING TEMPERATURE	200°C

NO	DESCRIPTION	MATERIAL
1	BODY	EN-GJL-250, GJS-400-18-LT / WCB / SS304 / SS316
2	COVER	EN-GJL-250, GJS-400-18-LT / WCB / SS304 / SS316
3	WINDOW LOCK BOLT	CARBON STEEL SAE Gr 5 / AISI304
4	LOCK STUD NUT	CARBON STEEL SAE Gr 5 / AISI304
5	WINDOW SEALING GASKET	PTFE
6	SIGHT GLASS	THERMAL GLASS

FLANGED FLUID INDICATORS PN16										
SIGHT FLOW INDICATOR TYPE ØD	SIZE									
	L	D	D1	D2	D3	D4	f	b	S	N-Ø
NST-AG1F / DN15	130	95	65	45	41	50	2	14	10	4*14
NST-AG1F / DN20	150	105	75	58	41	50	2	16	10	4*14
NST-AG1F / DN25	160	115	85	68	41	50	2	16	10	4*14
NST-AG1F / DN32	180	140	100	78	71	80	3	16	10	4*18
NST-AG1F / DN40	200	150	110	88	92	98	3	16	10	4*18
NST-AG1F / DN50	230	165	125	102	110	98	3	18	10	4*18
NST-AG1F / DN65	290	185	145	122	135	123	3	18	20	8*18
NST-AG1F / DN80	310	200	160	138	135	123	3	20	20	8*18
NST-AG1F / DN100	350	220	180	158	135	150	3	20	20	8*22
NST-AG1F / DN125	400	250	210	188	185	150	3	22	24	8*26
NST-AG1F / DN150	450	285	240	212	210	150	3	22	26	8*26
NST-AG1F / DN200	600	340	295	268	260	275	3	24	28	12*30

UPON REQUEST, FLUID INDICATORS ARE PRODUCED ACC. TO DN10 AND ASA STANDARTS

HT-EPDM WAFER TYPE BUTTERFLY VALVES



TYPE NST-HTW2

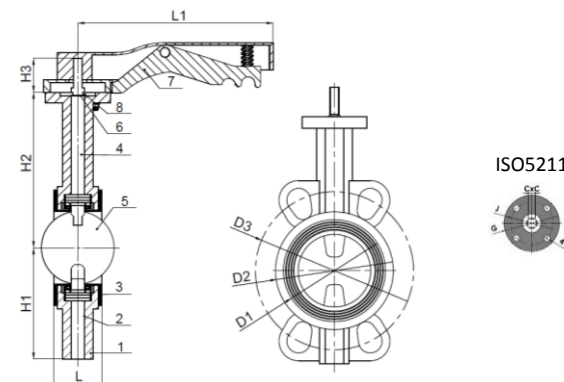


PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
VACUUM	ABSOLUTE PRESSURE

NO	DESCRIPTION	MATERIAL
1	BODY	RILSAN COATED GG25 PIG CASTING RILSAN COATED GGG40 SPHERO CAST STAINLESS STEEL SS304 STAINLESS STEEL SS316
2	BUSHING	PTFE
3	SEAT	HT-EPDM (-35°C~150 °C)
4	SHAFT	SS416
5	DISC	AISI316 & 304 STAINLESS STEEL
6	O-RING	EPDM,NBR
7	HANDLE	ALUMINIUM
8	SEGMENT	A3

SIZE	L	4-Ø	H1	H2	H3	L1	C*°C	D1	D2	D3	TOP PAD ISO5211	WEIGHT (KGS)		
												WITHOUT HANDLE	WITH HANDLE	GEAR BOX
DN50	43	8	76	140	32	43	9*9	70	118	120	F05	2.1	2.4	7.3
DN65	46	8	85	152	32	46	9*9	85	137	136,2	F05	2.5	2.8	7.7
DN80	46	8	95	157	32	46	9*9	100	143	160	F05	3.0	3.3	8.2
DN100	52	8	110	176	32	52	11*11	122	156	185	F05	4.8	5.2	6.0
DN125	56	10	125	191	32	56	14*14	148	190	215	F07	6.6	7.0	11.8
DN150	56	10	139	202	32	56	14*14	175	212	238	F07	7.5	7.9	12.7
DN200	60	12	175	243	45	60	17*17	226	268	295	F10	13.8	14.9	26.1
DN250	68	12	203	283	45	68	22*22	278	325	357	F10	21.2	22.3	33.5
DN300	78	12	238	322	45	78	22*22	330	403	407	F10	31.5	42.6	45.9

WAFER TYPE BUTTERFLY VALVES



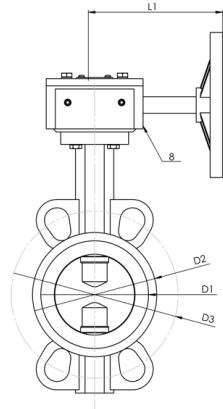
TYPE NST-W2



PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
VACUUM	ABSOLUTE PRESSURE

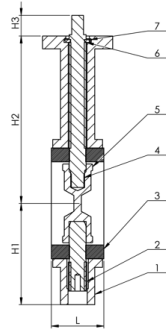
NO	DESCRIPTION	MATERIAL
1	BODY	RILSAN COATED GG25 PIG CASTING RILSAN COATED GGG40 SPHERO CAST
2	BUSHING	PTFE
3	SEAT	HT-EPDM (-35°C~110 °C)
4	SHAFT	416
5	DISC	AISI 316 & 304
6	O-RING	EPDM,NBR
7	HANDLE	ALUMINIUM
8	SEGMENT	A3

SIZE	L	4-Ø	H1	H2	H3	L1	C*°C	D1	D2	D3	TOP PAD ISO5211	WEIGHT(KGS)		
												WITHOUT HANDLE	WITH HANDLE	WITH GEAR BOX
DN50	43	8	76	140	32	43	9*9	70	118	120	F05	2.1	2.4	7.3
DN65	46	8	85	152	32	46	9*9	85	137	136,2	F05	2.5	2.8	7.7
DN80	46	8	95	157	32	46	9*9	100	143	160	F05	3.0	3.3	8.2
DN100	52	8	110	176	32	52	11*11	122	156	185	F05	4.8	5.2	6.0
DN125	56	10	125	191	32	56	14*14	148	190	215	F07	6.6	7.0	11.8
DN150	56	10	139	202	32	56	14*14	175	212	238	F07	7.5	7.9	12.7
DN200	60	12	175	243	45	60	17*17	226	268	295	F10	13.8	14.9	26.1
DN250	68	12	203	283	45	68	22*22	278	325	357	F10	21.2	22.3	33.5
DN300	78	12	238	322	45	78	22*22	330	403	407	F10	31.5	42.6	45.9



WAFER TYPE BUTTERFLY VALVES WITH GEAR BOX

TYPE NST-GBW2



ISO5211



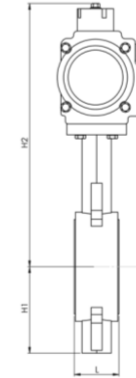
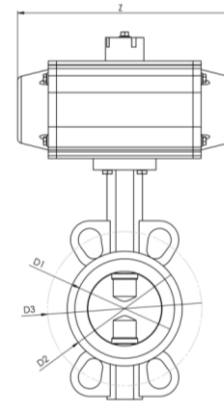
TEST PRESSURE	SHELL	SEALING
HYDROSTATIC	24 BAR	17.6 BAR

NO	DESCRIPTION	MATERIAL
1	BODY	GGG40
2	BUSHING	PTFE
3	SEAT	EPDM
4	SHAFT	416
5	DISC	AISI316 & SS304
6	O-RING	NBR
7	SEGMENT	A3
8	GEAR BOX	ALUMINIUM

SIZE	L	H1	H2	H3	L1	4-Ø	G	J	CxC	ISO5211	CxC	D1	D2	D3	WEIGHT(KGS) WITH GEAR BOX
DN150	56	139	204	38	160	9	90	70	14*14	F07	14*14	175	212	240	12.7
DN200	60	175	243	38	227	12	125	70	17*17	F10	17*17	226	268	295	26.1
DN250	68	203	289	44	227	12	125	70	22*22	F10	22*22	278	325	350	33.5
DN300	78	238	319	44	227	14	125	102	22*22	F10	22*22	330	403	400	45.9
DN350	78	267	368	45	227	14	150	125	22*22	F10	22*22	375	435	460	55.0
DN400	102	298	400	51	270	14	150	125	27*27	F14	27*27	439	508	515	87.0
DN450	114	318	422	51	270	22	210	165	27*27	F14	27*27	490.5	542	565	112.0
DN500	127	349	479	64	350	22	210	165	36*36	F14	36*36	535	592	620	148.0
DN600	154	410	562	70	350	22	210	165	36*36	F16	36*36	654	708	725	

WAFER TYPE BUTTERFLY VALVES WITH PNEUMATIC ACTUATOR

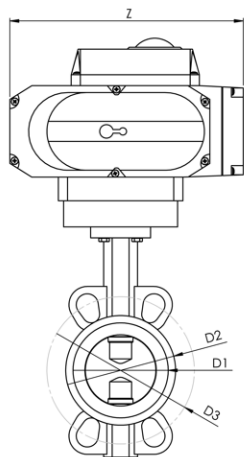
TYPE NST-AKW2



ISO5211



BUTTERFLY VALVE WITH DOUBLE ACTING ACTUATOR												
SIZE	L	H1	H2	Z	D1	D2	D3	CxC	G	J	4-Ø	ACTUATOR
DN32	33	61	121	144				7*7	65	50	4-Ø7	NST-DA50
DN40	33	61	130	144				9*9	65	50	4-Ø7	NST-DA50
DN50	43	77	136,5	144	70	118	120	9*9	65	50	4-Ø7	NST-DA50
DN65	46	87,5	142	163	85	137	136,2	9*9	65	50	4-Ø7	NST-DA63
DN80	46	95	158	163	100	143	160	9*9	65	50	4-Ø7	NST-DA63
DN100	52	107	182,5	214	122	156	185	11*11	65	50	4-Ø7	NST-DA75
DN125	56	121,5	194,5	252	148	190	215	14*14	90	70	4-Ø9	NST-DA88
DN150	56	144	217,5	270	175	212	238	14*14	90	70	4-Ø9	NST-DA100
DN200	60	171	245	316	226	268	295	17*17	125	70	4-Ø12	NST-DA115
DN250	68	205	280	354	278	325	357	22*22	125	70	4-Ø12	NST-DA125
DN300	78	235	310	418	330	403	407	22*22	125	102	4-Ø14	NST-DA145



BUTTERFLY VALVES WITH ELECTRIC ACTUATOR

TYPE NST-EKW2



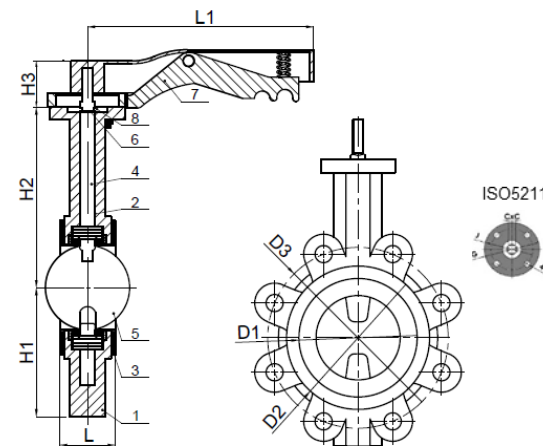
WAFER BUTTERFLY VALVE WITH ELECTRICAL ACTUATOR												
SIZE	L	H1	H2	Z	D1	D2	D3	CXC	G	J	4-Ø	ACTUATOR
DN50	43	77	292	160	70	118	125	9*9	65	50	4-Ø7	NST-EA05
DN65	46	87,5	303	160	85	137	145	9*9	65	50	4-Ø7	NST-EA05
DN80	46	95	342	196	100	143	160	9*9	65	50	4-Ø7	NST-EA10
DN100	52	107	353	196	122	156	180	11*11	65	50	4-Ø7	NST-EA10
DN125	55	121,5	400	256	148	190	210	14*14	90	70	4-Ø9	NST-EA20
DN150	56	144	419	256	175	212	240	14*14	90	70	4-Ø9	NST-EA20
DN200	60	171	447	256	226	268	295	17*17	125	70	4-Ø12	NST-EA40
DN250	68	205	479	256	278	325	350	22*22	125	70	4-Ø12	NST-EA40
DN300	78	235	555	256	330	403	400	22*22	150	102	4-Ø14	NST-EA60

OPTIONAL : YOU CAN GET INFORMATION ABOUT OUR PROPORTIONAL MODAL FROM SALES RESPONSIBLE.

TECHNICAL DATA : -10~+60°C
NOMINAL PRESSURE : 0~1.0 Mpa
CONTROL VOLTAGE : DN50-DN300
CONTROL WAY: ON-OFF TYPE, ADJUSTABLE TYPE
IT CAN BE SET AS PROPORTIONAL IF REQUESTED DURING ORDER

LUG TYPE BUTTERFLY VALVES

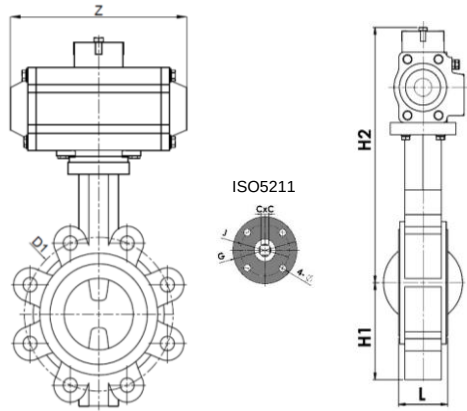
TYPE NST-L1



PRESSURE CLASS		MAX 16 BAR										
DIFFERANTIAL PRESSURE		ΔP 16 BAR										
VACUUM		ABSOLUTE PRESSURE MAX 0.2 BAR										
NO	DESCRIPTION	MATERIAL										
1	BODY	GG25 PIG CASTING GGG40 SPHERO CAST AISI304 STAINLESS STEEL 304 AISI316 STAINLESS STEEL 316										
2	BUSHING	PTFE										
3	SEAT	EPDM (-30°C~110 °C) ,NBR,VITON										
4	SHAFT	STAINLESS STEEL 416										
5	DISC	AISI316 & 304 STAINLESS STEEL										
6	O-RING	EPDM,NBR										
7	HANDLE	ALUMINIUM										
8	SEGMENT	A3										

SIZE	L	H1	H2	H3	L1	D1	D2	D3	C*°C	4-Ø	G	J	WEIGHT (KGS)		
													WITHOUT HANDLE	WITH HANDLE	WITH GEAR BOX
DN32	33	57		32	198				7*7	4*7	65	50			
DN40	33	61		32	198				9*9	4*7	65	50			
DN50	43	88	161	32	198	70	118	125	9*9	4*7	65	50	2.3	4	6.8
DN65	46	89	175	32	198	85	137	145	9*9	4*7	65	50	2.9	4.6	7.4
DN80	46	95	181	32	198	100	143	160	9*9	4*7	65	50	3.7	5.4	8.2
DN100	52	114	200	32	210	122	156	180	11*11	4*7	65	50	5	6.7	9.5
DN125	56	127	213	32	272	148	190	210	14*14	4*10	90	70	6.5	10	11
DN150	56	139	226	32	272	175	212	240	14*14	4*10	90	70	8.1	11.6	12.6
DN200	60	175	260	35	358	226	268	295	17*17	4*12	125	70	18	19.8	27
DN250	68	205	292	35	358	278	325	350	22*22	4*12	125	70	29	30.8	38
DN300	78	235	337	35	358	330	403	400	22*22	4*14	150	102	39	40.8	51
DN350	78	277	368	45	78			460	22*22	4*14	150	125			

LUG TYPE BUTTERFLY VALVES WITH PNEUMATIC ACTUATOR



TYPE NST-AKL2



BUTTERFLY VALVE WITH DOUBLE ACTING ACTUATOR											
SIZE	L	H1	H2	Z	D1	N-Ø	CXC	G	J	4-Ø	ACTUATOR
DN50	43	88	228,5	144	125	4-M16	9*9	65	50	4-Ø7	NST-DA50
DN65	46	89	249,5	163	145	4-M16	9*9	65	50	4-Ø7	NST-DA63
DN80	46	95	265,5	163	160	8-M16	9*9	65	50	4-Ø7	NST-DA63
DN100	52	114	302,5	214	180	8-M16	11*11	65	50	4-Ø7	NST-DA75
DN125	56	127	314,5	252	210	8-M16	14*14	90	70	4-Ø9	NST-DA88
DN150	56	139	370,5	270	240	8-M20	14*14	90	70	4-Ø9	NST-DA100
DN200	60	175	398	316	295	12-M20	17*17	125	70	4-Ø12	NST-DA115
DN250	68	205	455	354	355	12-M22	22*22	125	70	4-Ø12	NST-DA125
DN300	78	235	592	418	410	12-M22	22*22	150	102	4-Ø14	NST-DA145

TECHNICAL DATA

AMBIENT TEMP : -10~+60°C

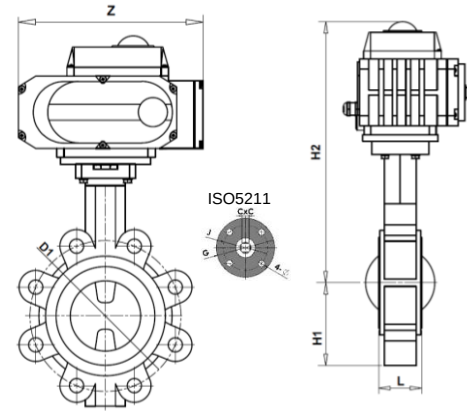
NOMINAL PRESSURE : 0-1.0

SIZE : DN50-DN300

CONTROL WAY : ON-OFF TYPE, ADJUSTABLE TYPE

IT CAN BE SET AS PROPORTIONAL IF REQUESTED DURING ORDER.

LUG TYPE BUTTERFLY VALVES WITH ELECTRIC ACTUATOR



TYPE NST-EAKL2



BUTTERFLY VALVE WITH ACTING ELECTRIC ACTUATOR											
SIZE	L	H1	H2	Z	D1	N-Ø	CXC	G	J	4-Ø	ACTUATOR
DN50	43	88	228,5	160	125	4-M16	9*9	65	50	4-Ø7	NST-EA05
DN65	46	89	249,5	160	145	4-M16	9*9	65	50	4-Ø7	NST-EA05
DN80	46	95	265,5	160	160	8-M16	9*9	65	50	4-Ø7	NST-EA05
DN100	52	114	302,5	196	180	8-M16	11*11	65	50	4-Ø7	NST-EA10
DN125	56	127	314,5	196	210	8-M16	14*14	90	70	4-Ø9	NST-EA10
DN150	56	139	370,5	256	240	8-M20	14*14	90	70	4-Ø9	NST-EA20
DN200	60	175	398	256	295	12-M20	17*17	125	70	4-Ø12	NST-EA20
DN250	68	205	455	256	355	12-M22	22*22	125	70	4-Ø12	NST-EA40
DN300	78	235	592	256	410	12-M22	22*22	150	102	4-Ø14	NST-EA60

TECHNICAL DATA

AMBIENT TEMP : -10~+60°C

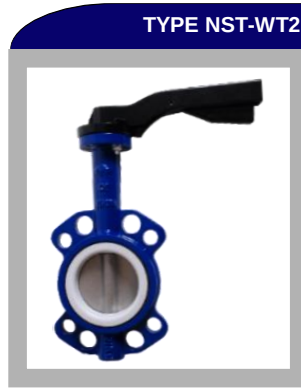
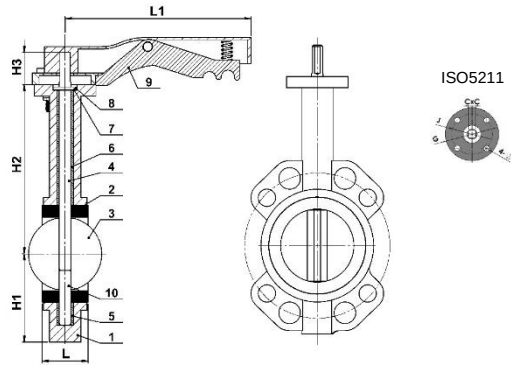
NOMINAL PRESSURE : 0-1.0

SIZE : DN50-DN300

CONTROL WAY : ON-OFF TYPE, ADJUSTABLE TYPE

IT CAN BE SET AS PROPORTIONAL IF REQUESTED DURING ORDER.

PTFE GASKET WAFER TYPE BUTTERFLY VALVES

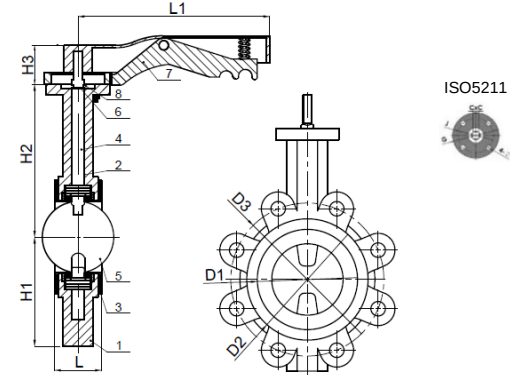


PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
MAX.OPERATING TEMPERATURE	180 °C
VACUUM	ABSOLUTE PRESSURE

NO	DESCRIPTION	MATERIAL
1	BODY	GGG40 SPHERO CAST
2	SEAT	PTFE + SILICON
3	DISC	AISI316 STAINLESS STEEL
4	SHAFT	SS416-316
5	LOWER BEARING	EPDM
6	UPPER BEARING	EPDM
7	WASHER	A3
8	SEGMENT	A3
9	HANDLE	ALUMINIUM
10	SHORT SHAFT	SS416-316

SIZE	L	H1	H2	H3	L1	G	J	CXC	4*Ø	WEIGHT KGS
DN50	43	80	161	32	198	65	50	9*9	4-7	3.00
DN65	46	89	175	32	198	65	50	9*9	4-7	3.70
DN80	46	95	181	32	198	65	50	11*11	4-7	4.10
DN100	52	114	200	32	210	90	50	11*11	4-10	5.40
DN125	55	127	213	32	272	90	70	14*14	4-10	7.80
DN150	56	139	226	32	272	90	70	14*14	4-10	8.60
DN200	60	175	260	35	358	125	70	17*17	4-12	14.50
DN250	68	203	292	35	358	125	70	22*22	4-12	22.00
DN300	78	242	337	35	358	125	102	22*22	4-12	36.50
DN350	78	267	368	45		125	125	22*22	4-12	60.50
DN400	102	309	400	51		175		27*27	4-18	82.00

PTFE GASKET LUG TYPE BUTTERFLY VALVES

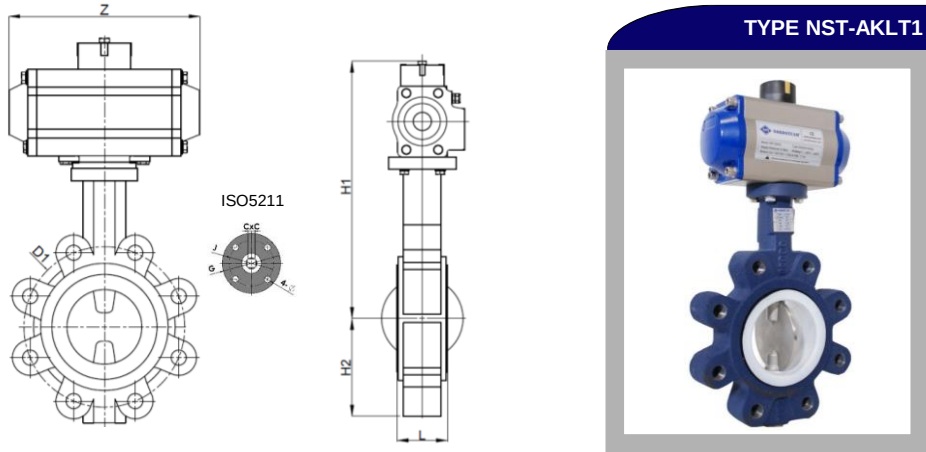


PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
VACUUM	ABSOLUTE PRESSURE

NO	DESCRIPTION	MATERIAL
1	BODY	GG25 PIG CASTING GGG40 SPHERO CAST STAINLESS STEEL SS304 STAINLESS STEEL SS316
2	BUSHING	PTFE
3	SEAT	PTFE
4	SHAFT	SS416
5	DISC	AISI316 & 304 STAINLESS STEEL
6	O-RING	EPDM,NBR
7	HANDLE	ALUMINIUM
8	SEGMENT	A3

SIZE	L	H1	H2	H3	L1	D1	D2	D3	C*C	4-Ø	G	J	WEIGHT (KGS)		
													WITHOUT HANDLE	WITH HANDLE	GEAR BOX
DN40	33	61		32	198				9*9	4*7	65	50			
DN50	43	88	161	32	198	70	118	125	9*9	4*7	65	50	2.3	4	6.8
DN65	46	89	175	32	198	85	137	145	9*9	4*7	65	50	2.9	4.6	7.4
DN80	46	95	181	32	198	100	143	160	9*9	4*7	65	50	3.7	5.4	8.2
DN100	52	114	200	32	210	122	156	180	11*11	4*7	65	50	5	6.7	9.5
DN125	56	127	213	32	272	148	190	210	14*14	4*10	90	70	6.5	10	11
DN150	56	139	226	32	272	175	212	240	14*14	4*10	90	70	8.1	11.6	12.6
DN200	60	175	260	35	358	226	268	295	17*17	4*12	125	70	18	19.8	27
DN250	68	205	292	35	358	278	325	350	22*22	4*12	125	70	29	30.8	38
DN300	78	235	337	35	358	330	403	400	22*22	4*14	150	102	39	40.8	51
DN350	78	277	368	45	78			460	22*22	4*14	150	125			

LUG TYPE PTFE GASKET BUTTERFLY VALVES WITH PNEUMATIC ACTUATOR

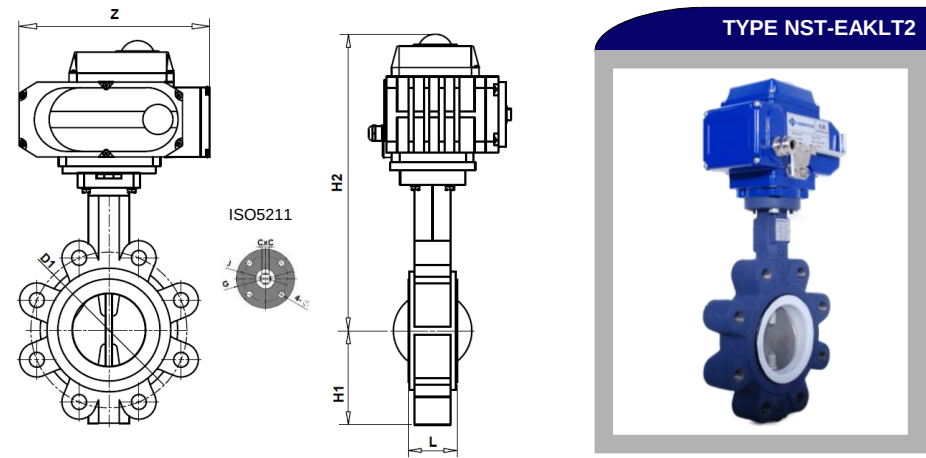


BUTTERFLY VALVE WITH DOUBLE ACTING ACTUATOR

SIZE	L	H1	H2	Z	D1	N-Ø	CXC	G	J	4-Ø	ACTUATOR
DN50	43	88	228,5	144	125	4-M16	9*9	65	50	4-Ø7	NST-DA50
DN65	46	89	249,5	163	145	4-M16	9*9	65	50	4-Ø7	NST-DA63
DN80	46	95	265,5	163	160	8-M16	9*9	65	50	4-Ø7	NST-DA63
DN100	52	114	302,5	214	180	8-M16	11*11	65	50	4-Ø7	NST-DA75
DN125	56	127	314,5	252	210	8-M16	14*14	90	70	4-Ø9	NST-DA88
DN150	56	139	370,5	270	240	8-M20	14*14	90	70	4-Ø9	NST-DA100
DN200	60	175	398	316	295	12-M20	17*17	125	70	4-Ø12	NST-DA115
DN250	68	205	455	354	355	12-M22	22*22	125	70	4-Ø12	NST-DA125
DN300	78	235	592	418	410	12-M22	22*22	150	102	4-Ø14	NST-DA145

TECHNICAL DATA
AMBIENT TEMP : -10~+60°C
NOMINAL PRESSURE : 0~1.0
SIZE : DN50-DN300
CONTROL WAY : ON-OFF TYPE, ADJUSTABLE TYPE
IT CAN BE SET AS PROPORTIONAL IF REQUESTED DURING ORDER.

LUG TYPE PTFE BUTTERFLY VALVES WITH ELECTRIC ACTUATOR



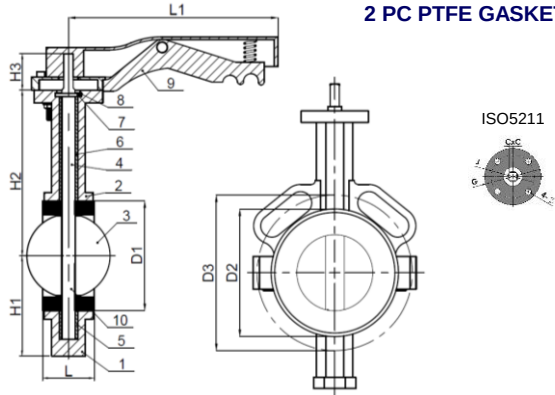
PTFE BUTTERFLY VALVE WITH ELECTRIC ACTUATOR

SIZE	L	H1	H2	Z	D1	N-Ø	CXC	G	J	4-Ø	ACTUATOR
DN50	43	88	228,5	160	125	4-M16	9*9	65	50	4-Ø7	NST-EA05
DN65	46	89	249,5	160	145	4-M16	9*9	65	50	4-Ø7	NST-EA05
DN80	46	95	265,5	160	160	8-M16	9*9	65	50	4-Ø7	NST-EA05
DN100	52	114	302,5	196	180	8-M16	11*11	65	50	4-Ø7	NST-EA10
DN125	56	127	314,5	196	210	8-M16	14*14	90	70	4-Ø9	NST-EA10
DN150	56	139	370,5	256	240	8-M20	14*14	90	70	4-Ø9	NST-EA20
DN200	60	175	398	256	295	12-M20	17*17	125	70	4-Ø12	NST-EA20
DN250	68	205	455	256	355	12-M22	22*22	125	70	4-Ø12	NST-EA40
DN300	78	235	592	256	410	12-M22	22*22	150	102	4-Ø14	NST-EA60

TECHNICAL DATA
AMBIENT TEMP : -10~+60°C
NOMINAL PRESSURE : 0~1.0
SIZE : DN50-DN300
CONTROL WAY : ON-OFF TYPE, ADJUSTABLE TYPE
IT CAN BE SET AS PROPORTIONAL IF REQUESTED DURING ORDER.

2 PC PTFE GASKET WAFER TYPE BUTTERFLY VALVES

TYPE NST-WT1



NO	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL SS304 & 316
2	DISC	AISI316 STAINLESS STEEL
3	SHAFT	SS416-SS431,316
4	SEAT	PTFE
5	O-RING	EPDM - VITON
6	SHORT BUSHING	F4
7	WASHER	A3
8	RETAINER RING	A3
9	HANDLE	ALUMINIUM
10	SHORT SHAFT	SS416-316

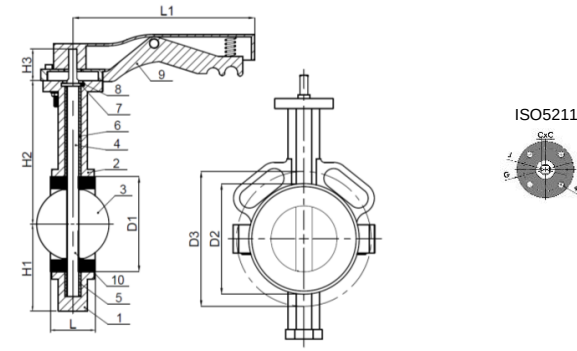
SIZE	L	H1	H2	H3	L1	D1	D2	4-Ø	G	J	CxC	PN10 D3	PN16 D3	WEIGHT KGS
DN50	42	73	135	32	198	70	118	7	65	50	9*9	125	125	3,1
DN65	45	80	135	32	198	85	137	7	65	50	9*9	145	145	3,3
DN80	46	90	138	32	198	100	143	7	65	50	9*9	160	160	3,8
DN100	52	116	159	32	210	122	156	7	65	50	11*11	180	180	6
DN125	55	130	175	32	272	148	190	9	90	70	14*14	210	210	7,3
DN150	56	148	188	32	272	175	212	9	90	70	14*14	240	240	8,8
DN200	61	180	230	35	358	226	268	12	125	70	17*17	295	295	20,7
DN250	66	220	270	35	358	278	325	12	125	70	22*22	350	355	28,5
DN300	77	255	300	35	358	330	403	14	125	102	24*24	400	410	40
DN350	77	284	337	45				14	150	125	24*24	460	470	51,8
DN400	87/102	322	367	51				14	150	125	24*24	515	525	90

PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
MAX.OPERATING TEMPERATURE	180 °C
VACUUM	MAX 0.2 BAR/ ABSOLUTE PRESSURE

AISI316 PTFE Gasket, Butterfly Valve with AISI316 disc

WAFER TYPE PTFE LINED BUTTERFLY VALVES

TYPE NST-WT

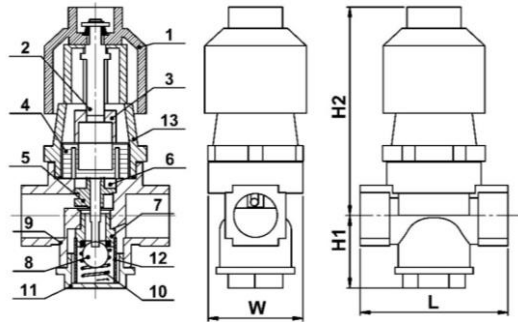


NO	DESCRIPTION	MATERIAL
1	BODY	GGG40 SPHERO CAST STAINLESS STEEL SS304 & 316
2	SEAT	PTFE
3	DISC	AISI316 STAINLESS STEEL + PTFE COATED
4	SHAFT	SS416 ~ SS431-316
5	O-RING	EPDM
6	SHORT BUSHING	F4
7	WASHER	A3
8	RETAINER RING	A3
9	HANDLE	ALUMINIUM
10	SHORT SHAFT	SS416-316

SIZE	L	H1	H2	H3	L1	D1	D2	4-Ø	G	J	CxC	PN10 D3	PN16 D3	WEIGHT KGS
DN50	42	73	135	32	198	70	118	7	65	50	9*9	125	125	3,1
DN65	45	80	135	32	198	85	137	7	65	50	9*9	145	145	3,3
DN80	46	90	138	32	198	100	143	7	65	50	9*9	160	160	3,8
DN100	52	116	159	32	210	122	156	7	65	50	11*11	180	180	6
DN125	55	130	175	32	272	148	190	9	90	70	14*14	210	210	7,3
DN150	56	148	188	32	272	175	212	9	90	70	14*14	240	240	8,8
DN200	61	180	230	35	358	226	268	12	125	70	17*17	295	295	20,7
DN250	66	220	270	35	358	278	325	12	125	70	22*22	350	355	28,5
DN300	77	255	300	35	358	330	403	14	125	102	24*24	400	410	40
DN350	77	284	337	45				14	150	125	24*24	460	470	51,8
DN400	87/102	322	367	51				14	150	125	24*24	515	525	90

PRESSURE CLASS	MAX 16 BAR
DIFFERENTIAL PRESSURE	ΔP 16 BAR
MAX.OPERATING TEMPERATURE	180 °C
VACUUM	ABSOLUTE PRESSURE

STAINLESS STEEL STEAM PRESSURE REDUCING VALVE



TYPE NST-14H



TECHNICAL SPECIFICATION			
ORIFICE SIZE (MM)	15	20	25
FLUID	STEAM,NITROGEN,INERT GASES,AIR		
FLUID TEMPERATUR. (°C)	≤220		
AMBIENT TEMPERATURE (°C)	-10~40		
INLET PRESSURE P1	0.1~1.6		
OUTLET PRESSURE P2	0,05~1.0		
(P1-P2)	10:1		
(P1-P2)	≥0.07		
FLOW RATE (Kv)	0.9	1.6	2.6
SEALING	After closing the valves, the pressure increase value ≤ 0.07		

Spare Parts

NO	DESCRIPTION	MATERIAL
1	HANDWHEEL	REINFORCED NYLON
2	REGULATING SCREW ROD	MEDIUM CARBON STEEL
3	REGULATING SPRING COVER	STAINLESS STEEL 304
4	BELLOWS PARTS	STAINLESS STEEL 304
5	VALVE ROD	STAINLESS STEEL 304
6	BAFFLE PLATE	BRASS
7	VALVE SEAT	BRASS
8	STEEL BALL	STAINLESS STEEL 304
9	BODY	STAINLESS STEEL 304
10	MAIN VALVE SPRING	STAINLESS STEEL 304
11	BOTTOM COVER	STAINLESS STEEL 304
12	FILTER	STAINLESS STEEL 304
13	VALVE COVER	ALUMINIUM

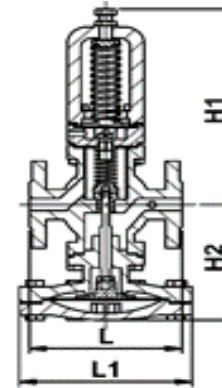
DIMENSIONS

SIZE	L	H1	H2	W
1/2"	90 MM	64 MM	137 MM	64
3/4"	90 MM	64 MM	137 MM	64
1"	100MM	57 MM	137 MM	64

CONNECTION	THREADED BSP		
SIZES	1/2"	3/4"	1"
WEIGHTS (KGS)	1.60	1.65	1.80

OPERATING CONDITIONS	
MAX. ALLOWABLE TEMPERATURE TMA (°C)	220
MAX. OPERATING PRESSURE PMO (BAR)	16

PILOT OPERATED STEAM PRESSURE REDUCING VALVE



TYPE NST-DP27/1



SPARE PARTS	
DESCRIPTION	MATERIAL
BODY	WCB
COVER	WCB
SEAT	2Cr13
VALVE FLAP	2Cr13
POLE	2Cr13
DIAPHRAGM	1Cr18Ni9Ti
ADJUSTING SPRING	60Si2Mn

TECHNICAL SPECIFICATION

RESISTANCE PRESSURE (BAR)	25
BODY TEST PRESSURE (BAR)	37,5
SEAL TEST PRESSURE (BAR)	25
MAX. INLET PRESSURE (BAR)	16
OUTLET PRESSURE RANGE (BAR)	0,5~3 (YELLOW SPRING), 2,5~7 (BLUE SPRING), 6~12 (RED SPRING)
PRESSURE CHARACTERISTICS DEVIATION	GB12244
FLOW CHARACTERISTICS DEVIATION	GB12244
LEAKAGE	GB12245
MEDIUM TEMPERATURE (°C)	-10~285

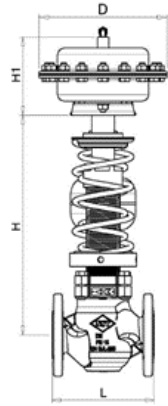
FLOW RATE (Cv)

SIZE (MM)	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Cv	2,90	5,30	8,60	11,60	16,50	29,10	45,50	60,10	93,30	146	186	300
Kv	2,80	5,50	8,10	12	17	28	45,50	60,10	93,30	146	180	300

DIMENSIONS

SIZE	L	H1	H2	L1
DN15	147	221	133	185
DN20	154	224	136	185
DN25	160	235	145	207
DN32	180	236	156	207
DN40	200	238	176	255
DN50	230	246	183	255
DN65	250	295	200	320
DN80	310	323	230	350
DN100	350	340	263	380
DN125	400	359	306	455
DN150	450	375	330	500
DN200	500	430	410	600

CONNECTIONS	FLANGED DIN2545											
SIZE	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
WEIGHT	15	16	19	22	30	35	51	63	90			



DIRECT OPERATED STEAM PRESSURE REDUCING VALVE

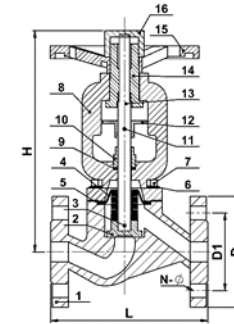
TYPE NST-BDV



NOMINAL SIZE	DN	15	20	25	32	40	50	65	80	100
FLOW RATE	kvs	4	6,3	8	16	20	32	50	75	90
NOMINAL PRESSURE	PN	16 - 25 - 40								
ALLOWABLE DIFFERENTIAL PRESSURE	Max. Δp	25 BAR						20 BAR		16 BAR
PERMISSIBLE DIFFERENTIAL TEMPERATURE	°C max.	350 °C								
LEAKAGE CLASS ACCORDING TO	NI/h									
SET POINT RANGES	BAR	0,05...0,25 - 0,1...0,6 - 0,2...1,2 - 0,8...2,5 2 ...5 - 4,5...10 - 8...16								
FLOW CHARACTERICTICS		LINEAR								
BODY	MATERIALS OF MAIN PARTS	JL1040 / JS1049 / 1.0619/ 1.4404								
SEAT		1.4305 / 1.4006								
VALVE FLAP		1.4305 / 1.4006								
DIAPHRAGM CASES		1.0037 (St 37-2)								
DIAPHRAGM		EPDM								
ADJUSTING SPRING		DIN 10223/2 VDSiCr								
L MM		DIMENSION	130	150	160	180	200	230	290	310
H MM	323			374			459		485	
H1 MM	40 - 80 - 160 - 320cm² 122 / 640cm² 153									
D MM	40-80cm² Ø170 / 160cm² Ø225 / 320cm² Ø285 / 640cm² Ø380									
WEIGHT (KGS)	13,7		14,3	14,8	17,8	18,5	19,5	30,2	32	58

BELLOW SEAL GLOBE VALVE

TYPE NST-41H



TECHNICAL SPECIFICATIONS
1-DESIGN AND MANUFACTURE : DIN EN 13879-2002
2-FACE TO FACE DIMENSION DIN EN 558-1:1995
3-END FLANGE DIMENSION : DIN EN 1092-1:2002
4-INSPECTION AND TEST : DIN EN 12266:2003

OPERATING CONDITIONS

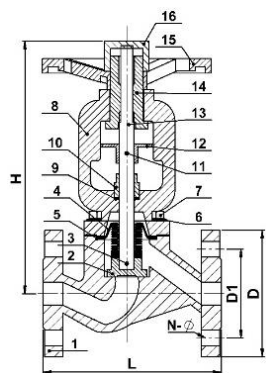
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (°C)	350
MAX. OPERATING PRESSURE PMO (BAR)	16

SIZE	PN 16				
	L	D	D1	N-Ø	H
DN15	130	95	65	4*14	174
DN20	150	105	75	4*14	176
DN25	160	115	85	4*14	207
DN32	180	140	100	4*18	207
DN40	200	150	110	4*18	210
DN50	230	165	125	4*18	225
DN65	290	185	145	4*18	250
DN80	310	200	160	8*18	260
DN100	350	220	180	8*18	345
DN125	400	250	210	8*18	370
DN150	480	285	240	8*22	430
DN200	600	340	295	12*22	488
DN250	730	405	355	12*26	530
DN300	850	460	410	12*26	600

SPARE PARTS

NO	DESCRIPTION	MATERIAL
1	BODY	GS-C25+13Cr
2	DISC	SS 304
3	PIN	SS304
4	BELLOWS	SS304
5	GASKET	GRAPHITE + SS304
6	BOLT	B7
7	NUT	2H
8	COVER	GS-C25
9	PACKING	GRAPHITE
10	GLAND	13Cr
11	PIN	25
12	BEARING	CARBON STEEL
13	SHAFT	SS304
14	SHAFT NUT	CU ALLOY
15	HANDWHEEL	CARBON STEEL
16	LOCK NUT	ALUMINIUM ALLOY

CONNECTION	FLANGED											
SIZE	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
WEIGHTS (KGS)	4,5	5	5,8	7,5	10	12,5	18,5	23	38,5	53	81	144



HIGH PRESSURE BELLOWS SEAL GLOBE VALVE

TECHNICAL SPECIFICATIONS
1-DESIGN AS PER DIN3356-1
2-END FLANGE DIN2533
3-FACE TO FACE DIMENSION DIN3202-F1
4-TEST STANDARD DIN3230



TYPE NST-42H

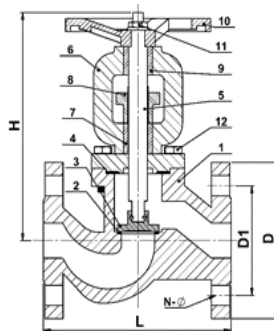


OPERATING CONDITIONS	
TEST PRESSURE PMA (BAR)	60
MAX. TEMPERATURE TMA (°C)	-20~+425
MAX. OPERATING PRESSURE PMO (BAR)	40

SIZE	PN40				
	L	D	D1	N-Ø	H
DN15	130	95	65	4*14	174
DN20	150	105	75	4*14	176
DN25	160	115	85	4*14	207
DN32	180	140	100	4*18	207
DN40	200	150	110	4*18	210
DN50	230	165	125	4*18	225
DN65	290	185	145	8*18	250
DN80	310	200	160	8*18	260
DN100	350	235	190	8*22	345
DN125	400	270	220	8*26	370
DN150	480	300	250	8*26	430
DN200	600	375	320	12*30	488
DN250	730	450	385	12*33	530
DN300	850	515	450	16*33	600

SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	GS-C25+13Cr
2	DISC	SS304
3	PIN	SS304
4	BELLOWS	SS304
5	GASKET	GRAPHITE+SS304
6	BOLT	B7
7	NUT	2H
8	COVER	GS-C25
9	V- PACKING	GRAPHITE
10	GLAND	13Cr
11	PIN	25
12	BEARING	CARBON STEEL
13	SHAFT	SS304
14	SHAFT NUT	CU ALLOY
15	HANDWHEEL	CARBON STEEL
16	LOCK NUT	ALUMINUM ALLOY

CONNECTION	FLANGED													
SIZES	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
WEIGHTS (KGS)	4,5	5	5,8	7,5	10	12,5	18,5	23	38,5	53	81	144	230	450



GLOBE VALVE

TYPE NST-41



NOTE 1: DISC 304 (DN40-200), 2Cr13 (DN15-32)
NOTE 2: NUT BRASS (DN80-200), GG25 (DN15-65)

TECHNICAL SPECIFICATIONS
1-DESIGN AS PER DIN3356-1
2-END FLANGE DIN2533
3-FACE TO FACE DIMENSION DIN3202-F1
4-TEST STANDARD DIN3230

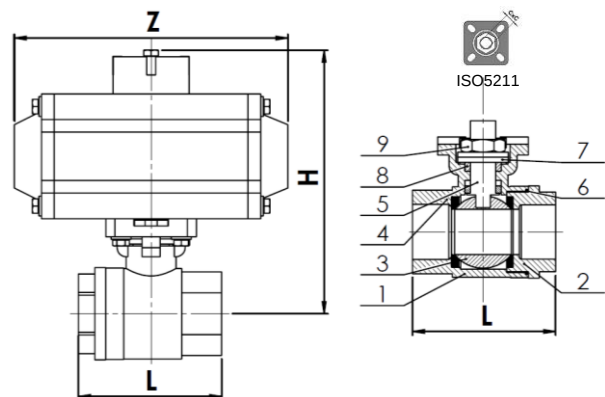
OPERATING CONDITIONS	
MAX. TEST PRESSURE PMA (BAR)	24
MAX. TEMPERATURE TMA (BAR)	200
MAX. OPERATING PRESSURE PMO (BAR)	16

DN	PN 16					PN25					PN40				
	L	D	D1	N-Ø	H	L	D	D1	N-Ø	H	L	D	D1	N-Ø	H
15	130	95	65	4*14	176	130	95	65	4*14	176	130	95	65	4*14	176
20	150	105	75	4*14	180	150	105	75	4*14	180	150	105	75	4*14	180
25	160	115	85	4*14	232	160	115	85	4*14	232	160	115	85	4*14	232
32	180	140	100	4*18	238	180	140	100	4*18	238	180	140	100	4*18	238
40	200	150	110	4*18	262	200	150	110	4*18	262	200	150	110	4*18	262
50	230	165	125	4*18	272	230	165	125	4*18	272	230	165	125	4*18	272
65	290	185	145	4*18	323	290	185	145	8*18	323	290	185	145	8*18	323
80	310	200	160	8*18	353	310	200	160	8*18	353	310	200	160	8*18	353
100	350	220	180	8*18	381	350	235	190	8*22	381	350	235	190	8*22	381
125	400	250	210	8*18	453	400	270	220	8*26	453	400	270	220	8*26	453
150	480	285	240	8*23	502	480	300	250	8*26	502	480	300	250	8*26	502
200	600	340	295	12*23	620	600	360	310	12*26	620	600	375	320	12*30	620
250	730	405	355		730	730	425	370	12*30		730	450	385	12*33	
300	850	460	410			850	485	430	16*30		850	515	450	16*33	

SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	GG25 OR GS-C25
2	SEAT	SS304- SS140
3	DISC	SS304
4	GASKET	FLEXIBLE GRAPHITE
5	SHAFT	STAINLESS STEEL 2Cr13
6	COVER	CAST IRON GG25
7	PACKING	FLEXIBLE GRAPHITE
8	SEALING FLANGE	CAST IRON GG25
9	SHAFT NUT	GALVANIZED STEEL
10	HANDWHEEL	CAST IRON
11	NUT	GALVANIZED STEEL
12	BOLT	SAE Gr.5

CONNECTION	FLANGED											
SIZES	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
WEIGHTS (KGS)	3.1	3.87	5.1	8.33	9.83	14.13	20.37	28.77	38.27	57.87	75.37	122.27

STAINLESS STEEL BALL VALVES WITH PNEUMATIC ACTUATOR



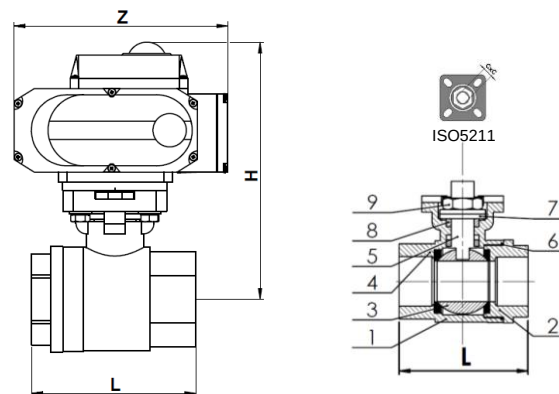
TYPE NST-AK202



NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 CF8M
2	COVER	ASTM A351 CF8M
3	BALL	ASTM A351 CF8M
4	SEAT	PTFE
5	SHAFT	SS304
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	SHAFT PACKING	PTFE
9	NUT	SS304

SIZE BSP	L	Z	H	d	CxC	ISO5211	Kv	ACTUATOR
						TOP PAD		
3/8"	65	144	137	10	9*9	F03	16,3	NST-DA50
1/2"	65	144	137	15	9*9	F03	29,5	NST-DA50
3/4"	75	144	145	20	9*9	F03	43	NST-DA50
1"	88	144	155	25	11*11	F03	89	NST-DA50
1 1/4"	102	163	176	32	11*11	F05	230	NST-DA63
1 1/2"	110	163	192	40	14*14	F05	265	NST-DA63
2"	125	214	217	50	14*14	F05	518	NST-DA75
2 1/2"	160	252	254	65	17*17	F07	820	NST-DA88
3"	175	270	274	80	17*17	F07	1180	NST-DA100

STAINLESS STEEL BALL VALVES WITH ELECTRIC ACTUATORS

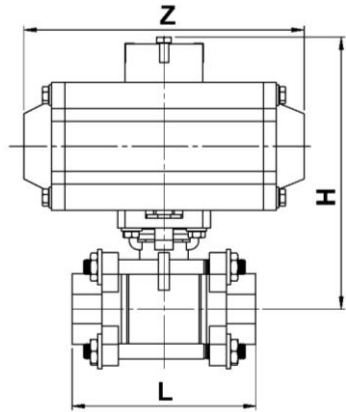


TYPE NST-EAK202

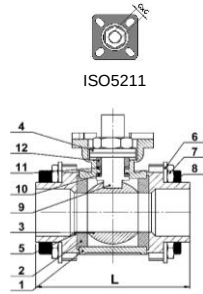


NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 CF8M
2	COVER	ASTM A351 CF8M
3	BALL	ASTM A351 CF8M
4	SEAT	PTFE
5	SHAFT	SS304
6	GASKET	PTFE
7	THRUST WASHER	PTFE
8	SHAFT PACKING	PTFE
9	NUT	SS304

SIZE BSP	L	Z	H	CxC	ISO5211	TORQUE	Kv	ACTUATOR
					TOP PAD	Nm		
3/8"	60	160	201	9*9	F03	2,1	16,3	NST-EA05
1/2"	75	160	201	9*9	F03	2,4	29,5	NST-EA05
3/4"	80	160	201	9*9	F03	2,8	43	NST-EA05
1"	90	160	201	11*11	F03	3,1	89	NST-EA05
1 1/4"	110	160	201	11*11	F05	4,3	230	NST-EA05
1 1/2"	120	196	229	14*14	F05	5,2	265	NST-EA10
2"	140	196	254	14*14	F05		518	NST-EA10
2 1/2"	185	256	285	17*17	F07		820	NST-EA20
3"	205	256	338	17*17	F07		1180	NST-EA20



3 PC BALL VALVES WITH PNEUMATIC ACTUATOR

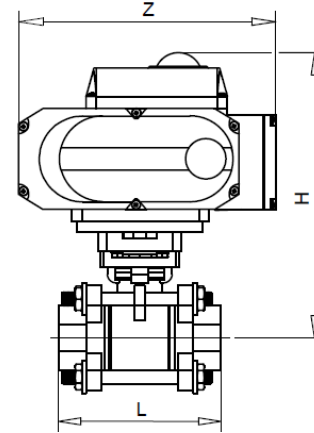


TYPE NST-PAK3YP

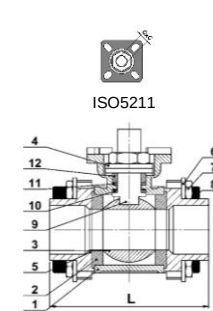


NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 GR.CF8M
2	SEAT	PTFE
3	BALL	ASTM A351 GR.CF8M
4	WASHER	SS304
5	COVER	SS316
6	SPRING WASHER	SS304
7	NUT	SS304
8	BOLT	SS304
9	SHAFT	SS316
10	SHAFT PACKING	PTFE
11	V-RING	PTFE
12	THRUST RING	SS304

SIZE BSP	L	H	Z	CXC	TOP PAD ISO5211	TORQUE Nm	ACTUATOR
3/8"	60	137	144	9	F03	4	NST-DA50
1/2"	75	137	144	9	F03	5	NST-DA50
3/4"	80	141	144	11	F03/F05	8	NST-DA50
1"	90	151	144	11	F03/F05	10	NST-DA50
1 1/4"	110	172	163	14	F05/F07	14	NST-DA63
1 1/2"	120	185	163	14	F05/F07	18	NST-DA63
2"	140	209	214	14	F05/F07	25	NST-DA75
2 1/2"	185	240	252	17	F07/F10	48	NST-DA88
3"	205	264	270	17	F07/F10	75	NST-DA100
4"	240	322	354	17	F07/F10	110	NST-DA125



3 PC BALL VALVES WITH ELECTRIC ACTUATOR



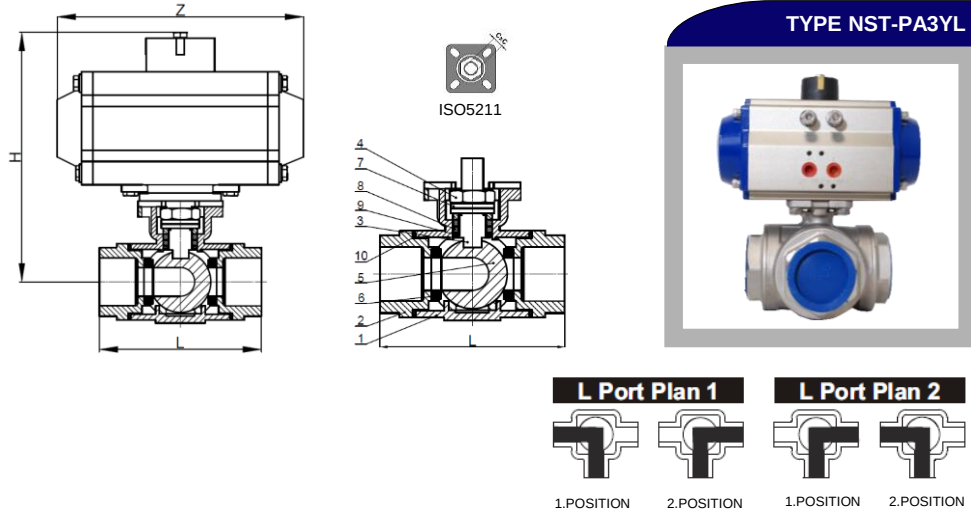
TYPE NST-EAK3YP



NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 GR.CF8M
2	SEAT	PTFE
3	BALL	ASTM A351 GR.CF8M
4	WASHER	SS304
5	COVER	SS316
6	SPRING WASHER	SS304
7	NUT	SS304
8	BOLT	SS304
9	SHAFT	SS316
10	SHAFT PACKING	PTFE
11	V-RING	PTFE
12	THRUST RING	SS304

SIZE BSP	L	H	Z	CXC	TOP PAD ISO5211	TORQUE Nm	ACTUATOR
1/2"	75	190	160	9	F03	5	NST-EA05
3/4"	80	195	160	11	F03/F05	8	NST-EA05
1"	90	203	160	11	F03/F05	10	NST-EA05
1 1/4"	110	207	160	14	F05/F07	14	NST-EA05
1 1/2"	120	216	160	14	F05/F07	18	NST-EA05
2"	140	245	196	14	F05/F07	25	NST-EA10
2 1/2"	185	266	196	17	F07/F10	48	NST-EA10
3"	205	317	256	17	F07/F10	75	NST-EA20
4"	240	338	256	17	F07/F10	110	NST-EA20

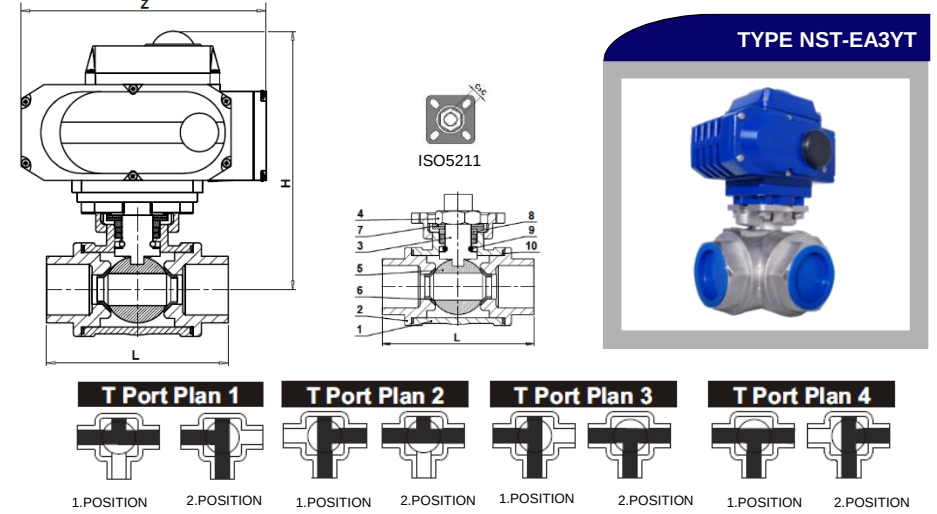
3 WAY L TYPE BALL VALVE WITH ELECTRIC ACTUATOR



NO	DESCRIPTION	MATERIAL
1	BODY	SS316
2	COVER	SS316
3	SHAFT	SS304
4	GLAND NUT	SS316
5	BALL	ASTM A351 GR.CF8M
6	SEAT	REINFORCED PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	JOINT GASKET	PTFE
10	COVER PACKING	PTFE

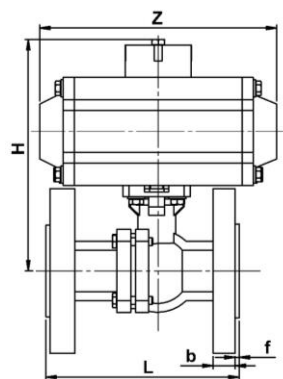
SIZE BSP	L	H	Z	CXC	TOP PAD ISO5211	TORQUE N.m	WEIGHT KGS	ACTUATOR
1/4"	75	58		9*9	F03-F05	8	0.65	NST-DA40
3/8"	75	58	144	9*9	F03-F05	9	0.63	NST-DA50
1/2"	75	61	144	9*9	F03-F05	11	0.58	NST-DA50
3/4"	86	74	144	9*9	F03-F05	15	0.79	NST-DA50
1"	103	81	144	11*11	F04-F05	18	1.25	NST-DA50
1 1/4"	115	88	163	11*11	F05-F07	25	2.22	NST-DA63
1 1/2"	125	104	214	14*14	F05-F07	35	3.45	NST-DA75
2"	146	110	214	14*14	F05-F07	55	4.50	NST-DA75

3 WAY T TYPE BALL VALVE WITH ELECTRIC ACTUATOR



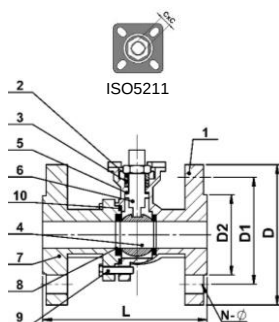
NO	DESCRIPTION	MATERIAL
1	BODY	SS316
2	COVER	SS316
3	SHAFT	SS304
4	GLAND NUT	SS316
5	BALL	ASTM A351 GR.CF8M
6	SEAT	REINFORCED PTFE
7	THRUST WASHER	PTFE
8	PACKING	PTFE
9	JOINT GASKET	PTFE
10	COVER PACKING	PTFE

SIZE BSP	L	H	Z	CXC	TOP PAD ISO5211	TORQUE N.m	WEIGHT KGS	ACTUATOR
1/2"	75	187	160	9*9	F03-F05	11	0.58	NST-EA05
3/4"	86	190	160	9*9	F03-F05	15	0.79	NST-EA05
1"	103	197,5	160	11*11	F04-F05	18	1.25	NST-EA05
1 1/4"	115	206	160	11*11	F05-F07	25	2.22	NST-EA05
1 1/2"	125	234,5	196	14*14	F05-F07	35	3.45	NST-EA10
2"	146	241	196	14*14	F05-F07	55	4.50	NST-EA10



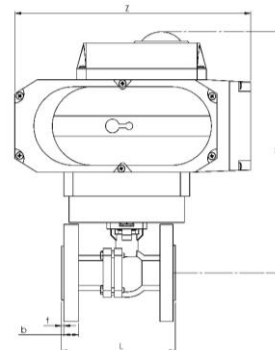
BALL VALVE FULL PORT WITH PNEUMATIC ACTUATOR

TYPE NST-PAK2PF



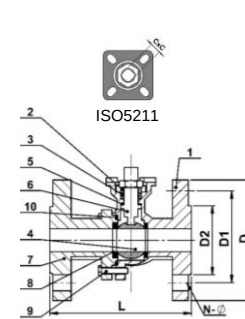
NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 GR.CF8 / CF8M
2	THRUST WASHER	PTFE-PTFE
3	PACKING	PTFE-PTFE
4	BALL	ASTM A351 GR. CF8 / CF8M
5	SHAFT PACKING	PTFE-PTFE
6	SHAFT	SS304-316
7	COVER	ASTM A351 GR.CF8 / CF8M
8	SEAT	PTFE-PTFE
9	BOLT	SS304-316
10	GASKET	PTFE-PTFE

SIZE	PN	L	D	D1	D2	H	Z	N-Ø	b	f	C*°	ACTUATOR	TORQUE Nm	WEIGHT KGS
DN15	16	115	95	65	45	150	144	4-14	14	2	9*9	NST-DA50	15.6	3,62
DN20	16	120	105	75	54	156	144	4-14	15	2	9*9	NST-DA50	15.6	4,29
DN25	16	125	115	85	65	175	163	4-14	16	2	11*11	NST-DA63	29.3	5,65
DN32	16	130	135	100	78	201	214	4-18	16	2	11*11	NST-DA75	58.2	8,3
DN40	16	140	145	110	85	214	214	4-18	17	2	14*14	NST-DA75	58.2	9,27
DN50	16	150	160	125	100	225	252	4-18	18	2	14*14	NST-DA88	91.5	12,44
DN65	16	170	180	145	120	244	252	4-18	18	2	17*17	NST-DA88	91.5	15,8
DN80	16	180	195	160	135	268	270	4-18	18	2	17*17	NST-DA100	133	19,67
DN100	16	190	215	180	155	323	354	8-18	20	2	19*19	NST-DA125	277	



BALL VALVE FULL PORT WITH ELECTRIC ACTUATOR

TYPE NST-EAK2PF

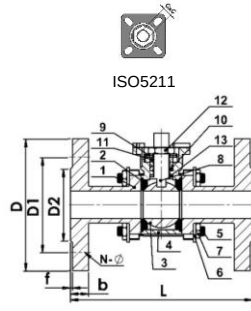
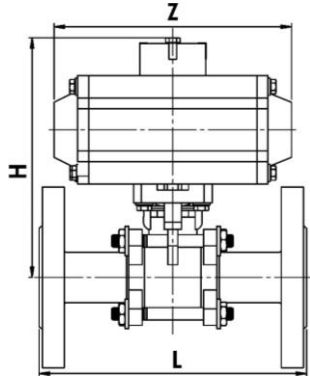


NO	DESCRIPTION	MATERIAL
1	BODY	ASTM A351 GR.CF8 / CF8M
2	THRUST WASHER	PTFE
3	PACKING	PTFE
4	BALL	ASTM A351 GR.CF8M
5	SHAFT PACKING	PTFE
6	SHAFT	SS304
7	COVER	ASTM A351 GR.CF8
8	SEAT	PTFE
9	BOLT	SS304
10	GASKET	PTFE

SIZE	PN	L	D	D1	D2	H	Z	N-Ø	B	F	C*°	ACTUATOR	TORQUE Nm	WEIGHT KGS
DN15	16	115	95	65	45	208	160	4-14	14	2	9	NST-EA05	15.6	5,22
DN20	16	120	105	75	54	208	160	4-14	15	2	11	NST-EA05	15.6	5,89
DN25	16	125	115	85	65	216	160	4-14	16	2	11	NST-EA05	29.3	6,65
DN32	16	130	135	100	78	221	160	4-18	16	2	14	NST-EA05	58.2	8,15
DN40	16	140	145	110	85	253	196	4-18	17	2	14	NST-EA10	58.2	10,47
DN50	16	150	160	125	100	260,5	196	4-18	18	2	14	NST-EA10	91.5	12,44
DN65	16	170	180	145	120	326	256	4-18	18	2	17	NST-EA20	91.5	
DN80	16	180	195	160	135	338	256	4-18	18	2	17	NST-EA20	133	
DN100	16	190	215	180	155	339	256	8-18	20	2	17	NST-EA20	277	

MAX. OPERATING PRESSURE (PMO BAR) : -20~+160 °C
MAX. TEMPERATURE TMA (°C) : 10 BAR
APPLICABLE MEDIUM: WATER, GAS, LIGHT, ACIDS

BALL VALVE FULL PORT WITH PNEUMATIC ACTUATOR



ISO5211

TYPE NST-PAK3FYP

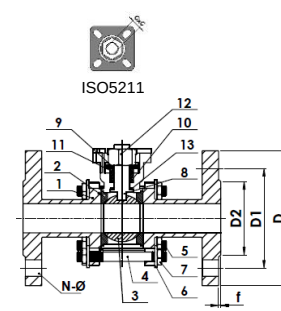
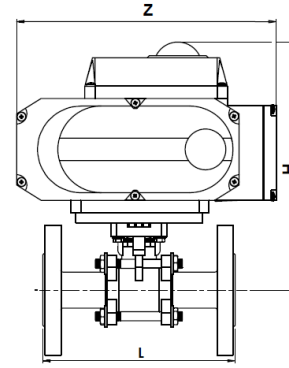


NO	DESCRIPTION	MATERIAL
1	COVER	ASTM351 CF8 / CF8M
2	SEAT	PTFE
3	BALL	SS304-SS316
4	BODY	ASTM A351 GR.CF8&CF8M
5	BOLT	ASTM A193 GR.B8
6	WASHER	SS304
7	NUT	ASTM A194 GR.8
8	SHAFT	ASTM A276 GR.316 / 304
9	SHAFT WASHER	PTFE
10	PACKING	PTFE
11	GRAPHITE PACKING	FLEXIBLE GRAPHITE
12	NUT	SS304
13	SHAFT PACKING	PTFE

SIZE	L	D	D1	D2	H	Z	N-Ø	f	CXC	WEIGHT KGS	ISO 5211 TOP PAD	ACTUATOR
DN15	130	95	65	45	170	144	4-14	2	9*9	3,25	F03-F05	NST-DA50
DN20	150	105	75	58	186	144	4-14	2	9*9	4,07	F03-F05	NST-DA50
DN25	160	115	85	68	205	144	4-14	2	11*11	4,83	F03-F05	NST-DA50
DN32	180	140	100	78	231	163	4-18	2	11*11	7,07	F03-F05	NST-DA63
DN40	200	150	110	88	244	214	4-18	3	14*14	9,42	F05-F07	NST-DA75
DN50	230	165	125	102	255	252	4-18	3	14*14	12,44	F05-F07	NST-DA88
DN65	290	185	145	122	274	252	4-18	3	17*17	17,15	F07-F10	NST-DA88
DN80	310	200	160	138	308	354	8-18	3	17*17		F07-F10	NST-DA125
DN100	350	220	180	158	363	418	8-18	3	19*19		F07-F10	NST-DA145

MAX. OPERATING PRESSURE : -20~+160 °C
MAX. TEMPERATURE TMA : 10 BAR
APPLICABLE MEDIUM: WATER, GAS, LIGHT, ACIDS

BALL VALVE FULL PORT WITH ELECTRIC ACTUATOR



ISO5211

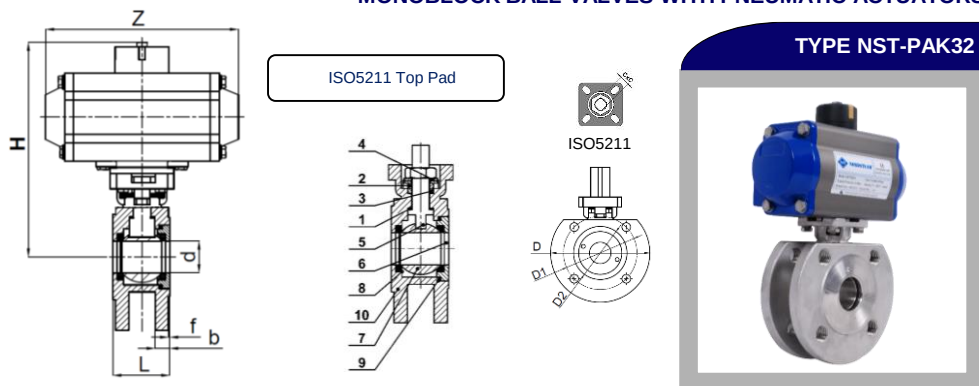
TYPE NST-EAK3FYP



NO	DESCRIPTION	MATERIAL
1	COVER	ASTM351 CF8&CF8M
2	SEAT	PTFE
3	BALL	SS304-SS316
4	BODY	ASTM A351 GR.CF8&CF8M
5	BOLT	ASTM A193 GR.B8
6	WASHER	SS304
7	NUT	ASTM A194 GR.8
8	SHAFT	ASTM A276 GR.316&304
9	SHAFT WASHER	PTFE
10	PACKING	PTFE
11	GRAPHITE PACKING	FLEXIBLE GRAPHITE
12	NUT	SS304
13	SHAFT PACKING	PTFE

SIZE	L	D	D1	D2	H	Z	N-Ø	f	CXC	WEIGHT KGS	ISO 5211 TOP PAD	ACTUATOR
DN15	130	95	65	45	191	160	4-14	2	9*9	4,86	F03-F05	NST-EA05
DN20	150	105	75	58	205	160	4-14	2	9*9	5,67	F03-F05	NST-EA05
DN25	160	115	85	68	203	160	4-14	2	11*11	6,43	F03-F05	NST-EA05
DN32	180	140	100	78	209	160	4-18	2	11*11	8,07	F03-F05	NST-EA05
DN40	200	150	110	88	216	160	4-18	3	14*14	9,27	F05-F07	NST-EA05
DN50	230	165	125	102	252	196	4-18	3	14*14	12,44	F05-F07	NST-EA10
DN65	290	185	145	122	268	196	4-18	3	17*17	17,15	F07-F10	NST-EA10
DN80	310	200	160	138	317	256	8-18	3	17*17		F07-F10	NST-EA20
DN100	350	220	180	158	338	256	8-18	3	19*19		F07-F10	NST-EA20

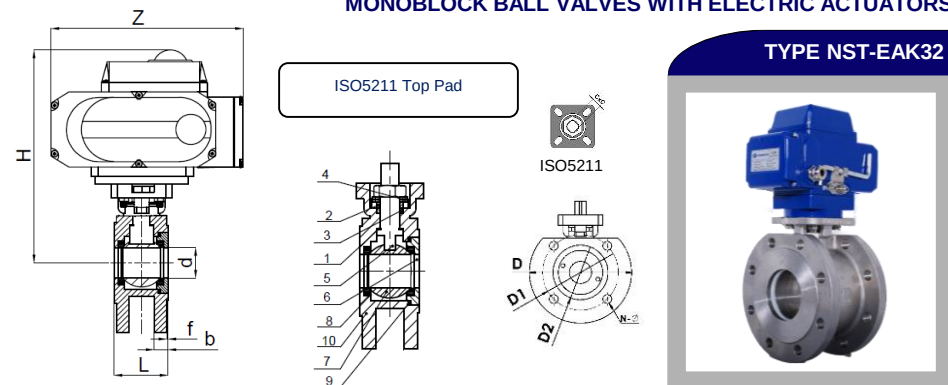
MONOBLOCK BALL VALVES WITH PNEUMATIC ACTUATORS



SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	SHAFT PACKING	PTFE
2	BUSHING	SS304-SS316
3	PACKING	PTFE
4	THRUST WASHER	PTFE
5	SHAFT	SS304-SS316
6	COVER	SS304-SS316
7	BALL	SS304-SS316
8	SEAT	PTFE
9	GASKET	PTFE
10	BODY	SS304-SS316

SIZE	L	D	D1	D2	b	f	N-Ø	H	CxC	Z	ISO 5211 C TOP PAD	WEIGHT KGS	TORQUE Nm	ACTUATOR
DN15	35	95	65	45	11	2	4-M12	159	9*9	144	F03-F05	2,45	15,5	NST-DA50
DN20	37	105	75	58	12	2	4-M12	164	9*9	144	F03-F05	2,6	15,5	NST-DA50
DN25	43	115	85	67	13	2	4-M12	185	11*11	144	F03-F05	3,43	15,5	NST-DA50
DN32	53	135	100	78	14	2	4-M16	222	11*11	163	F03-F05	5,32	29,3	NST-DA63
DN40	62	145	110	84	16	3	4-M16	227	14*14	163	F03-F05	5,79	29,3	NST-DA63
DN50	76	160	125	102	17	3	4-M16	273	14*14	214	F05-F07	8,89	58,2	NST-DA75
DN65	93	180	145	118	18	3	4-M16	280	17*17	252	F05-F07	12,57	91,5	NST-DA88
DN80	110	195	160	140	20	3	8-M16	302	17*17	252	F05-F07	14,39	91,5	NST-DA88
DN100	133	215	180	162	21	3	8-M16	357	19*19	270	F07-F10	19,95	133	NST-DA100
DN125	162	245	210	188	22	3	8-M16	395	22*22	354	F07-F10		277	NST-DA125
DN150	190	280	240	212	22	3	8-M20	477	22*22	418	F10-F12		435	NST-DA145
DN200		335	295	265		3	12*M20	552		518	F10-F14		1.077	NST-DA190

MONOBLOCK BALL VALVES WITH ELECTRIC ACTUATORS

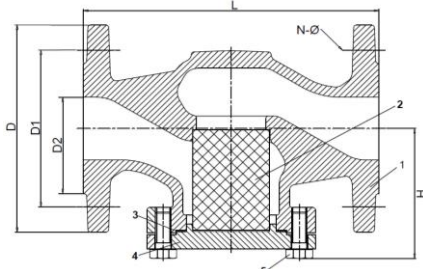


SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	SHAFT PACKING	PTFE
2	BUSHING	SS304-SS316
3	PACKING	PTFE
4	THRUST WASHER	PTFE
5	SHAFT	SS304-SS316
6	COVER	SS304-SS316
7	BALL	SS304-SS316
8	SEAT	PTFE
9	GASKET	PTFE
10	BODY	SS304-SS316

SIZE	L	D	D1	D2	b	f	N-Ø	H	CxC	Z	ISO 5211 C TOP PAD	WEIGHT KGS	TORQUE Nm	ACTUATOR
DN15	35	95	65	45	11	2	4-M12	202	9*9	160	F03-F05	4,05	15,5	NST-EA05
DN20	37	105	75	58	12	2	4-M12	206	9*9	160	F03-F05	4,2	15,5	NST-EA05
DN25	43	115	85	67	13	2	4-M12	211,5	11*11	160	F03-F05	5,03	15,5	NST-EA05
DN32	53	135	100	78	14	2	4-M16	223	11*11	160	F03-F05	6,32	29,3	NST-EA05
DN40	62	145	110	84	16	3	4-M16	249	14*14	196	F03-F05	8,14	29,3	NST-EA10
DN50	76	160	125	102	17	3	4-M16	261,5	14*14	196	F05-F07	10,09	58,2	NST-EA10
DN65	93	180	145	118	18	3	4-M16	314,5	17*17	256	F05-F07		91,5	NST-EA20
DN80	110	195	160	140	20	3	8-M16	323	17*17	256	F05-F07		91,5	NST-EA20
DN100	133	215	180	162	21	3	8-M16	326	19*19	256	F07-F10		133	NST-EA20
DN125	162	245	210	188	22	3	8-M16		22*22		F07-F10		277	
DN150	190	280	240	212	22	3	8-M20		22*22		F10-F12		435	
DN200		335	295	265		3	12*M20				F10-F14		1.077	

Technical Specifications
1-DIN3356-1
2-DIN2533
3-DIN3202-F1
4-DIN3230

T TYPE STRAINER



OPERATING CONDITIONS	
MAX. TEST PRESSURE (BAR)	24
MAX. PRESSURE PMA (BAR)	16-40
MAX. TEMPERATURE TMA (°C)	-10 ~ +200

SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	GJS-400-18-LT / 395
2	FILTER	SS304
3	GASKET	GRAPHITE
4	COVER	ST37
5	BOLT	35

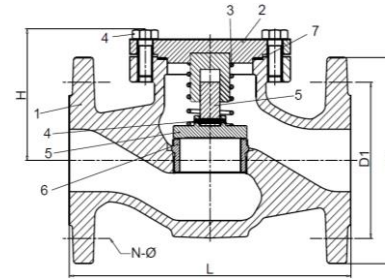
STANDART FILTER SIZES					
SIZE DN	(ASTM)	HOLE NUMBER (cm²)	HOLE SIZE s (mm)	WIRE DIAMETER (mm)	MICRON (w)
15-50	25	100	0,60	0,40	600
65-150	12	25	1,20	0,80	1200
200	10	16	1,50	1,00	1500

SIZE	PN 16					PN25				PN40			
	L	D	D1	D2	N-Ø	L	D	D1	N-Ø	L	D	D1	N-Ø
DN15	130	95	65	45	4*14	130	95	65	4*14	130	95	65	4*14
DN20	150	105	75	58	4*14	150	105	75	4*14	150	105	75	4*14
DN25	160	115	85	68	4*14	160	115	85	4*14	160	115	85	4*14
DN32	180	140	100	78	4*18	180	140	100	4*18	180	140	100	4*18
DN40	200	150	110	88	4*18	200	150	110	4*18	200	150	110	4*18
DN50	230	165	125	102	4*18	230	165	125	4*18	230	165	125	4*18
DN65	290	185	145	122	4*18	290	185	145	8*18	290	185	145	8*18
DN80	310	200	160	138	8*18	310	200	160	8*18	310	200	160	8*18
DN100	350	220	180	158	8*18	350	235	190	8*22	350	235	190	8*22
DN125	400	250	210	188	8*18	400	270	220	8*26	400	270	220	8*26
DN150	480	285	240	212	8*18	480	300	250	8*26	480	300	250	8*26
DN200	600	340	295	268	12*22	600	360	310	12*26	600	375	320	12*30
DN250	730	405	355	320	12*26						450	385	12*33
DN300	850	460	410		12*26						515	450	16*33

CONNECTION	FLANGED									
SIZES	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	
WEIGHTS (KGS)				8,20	9,45	11,5				

TECHNICAL SPECIFICATIONS
1- DESIGN AS PER DIN3356-1
2- END FLANGE DIN2533
3- FACE TO FACE DIMENSION DIN3202-F1
4- TEST STANDARD DIN3230

LIFT CHECK VALVE



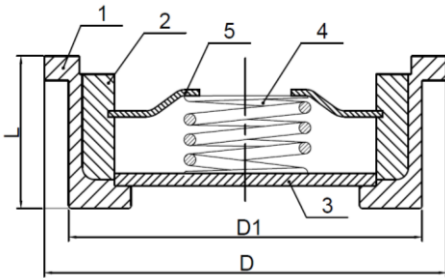
OPERATING CONDITIONS	
MAX. TEST PRESSURE (BAR)	24
MAX. PRESSURE PMA (BAR)	16-40
MAX. TEMPERATURE TMA (°C)	-10 ~ +200

SPARE PARTS		
NO	DESCRIPTION	MATERIAL
1	BODY	GJS-400-18-LT/395
2	COVER	ST37
3	SPRING	SS 420
4	BOLT	35
5	FLAP	C.S+13Cr
6	SEAT	SS304 ~ SS420
7	GASKET	GRAPHITE + SS304

SIZE	PN 16					PN25					PN40				
	L	D	D1	N-Ø	H	L	D	D1	N-Ø	H	L	D	D1	N-Ø	H
DN15	130	95	65	4*14	70	130	95	65	4*14	70	130	95	65	4*14	70
DN20	150	105	75	4*14	70	150	105	75	4*14	70	150	105	75	4*14	70
DN25	160	115	85	4*14	80	160	115	85	4*14	80	160	115	85	4*14	80
DN32	180	140	100	4*18	80	180	140	100	4*18	80	180	140	100	4*18	80
DN40	200	150	110	4*18	85	200	150	110	4*18	85	200	150	110	4*18	85
DN50	230	165	125	4*18	95	230	165	125	4*18	95	230	165	125	4*18	95
DN65	290	185	145	4*18	110	290	185	145	8*18	110	290	185	145	8*18	110
DN80	310	200	160	8*18	130	310	200	160	8*18	130	310	200	160	8*18	130
DN100	350	220	180	8*18	155	350	235	190	8*22	155	350	235	190	8*22	155
DN125	400	250	210	8*18	165	400	270	220	8*26	165	400	270	220	8*26	165
DN150	480	285	240	8*18	215	480	300	250	8*26	215	480	300	250	8*26	215
DN200	600	340	295	12*22	285	600	360	310	12*26	285	600	375	320	12*30	285
DN250	730	405	355	12*28	325	730	425	370	12*30	325	730	450	385	12*33	325
DN300	850	460	410	12*28	365	850	485	430	16*30	365	850	515	450	16*33	365

CONNECTION	FLANGED									
SIZES	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	
WEIGHTS (KGS)	2.2	2.97	3.84	6.51	7.7	11.25	17.38	23.25	31.45	

STAINLESS STEEL WAFER DISCO CHECK VALVE



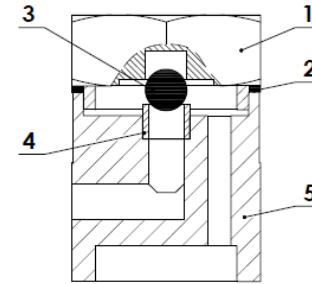
TYPE NST-15C



NO	DESCRIPTION					MATERIAL						
1	BODY					AISI 304				AISI 316		
2	SEGMENT GROOVES					AISI 304				AISI 316		
3	FLAP					AISI 304				AISI 316		
4	SPRING					AISI 304				AISI 316		
5	RETAINER RING					AISI 304				AISI 316		
DIMENSIONS												
SIZE	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
L MM	16	19	22	27	32	40	46	50	60	PLEASE ASK		
D MM	39	46	54	70	80	94	112	132	150			
D1 MM	34	40	50	62	70	85	100	120	140			

SIZE	WEIGHT KGS	OPENING PRESSURES			
		FLOW DIRECTION			
		WITHOUT SPRING ↑	WITH SPRING		
			↑	→	↓
DN15	0,120	2.5	25	22.5	20
DN20	0,180	2.5	25	22.5	20
DN25	0,230	2.5	25	22.5	20
DN32	0,480	3.5	27	23.5	20
DN40	0,710	4.0	28	24.0	20
DN50	1,120	4.5	29	24.5	20
DN65	1,630	5.0	30	25.0	20
DN80	2,300	5.5	31	25.5	20
DN100	3,400	6.5	33	26.5	20

STAINLESS STEEL VACUUM BREAKER VALVE

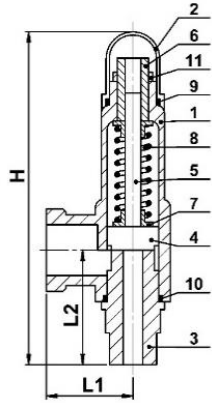


TYPE NST-VK



SPARE PARTS				
NO	DESCRIPTION	NST-VK5	NST-VK6	NST-VK7
1	COVER	SS304	SS316	BRASS MS 56
2	BODY GASKET	SS304	SS316	SS304
3	VALVE	SS304	SS316	SS304
4	VALVE SEAT	SS304	SS316	SS304
5	BODY	SS304	SS316	BRASS MS 56

OPERATING CONDITIONS		
MAX. ALLOWABLE PRESSURE PMA (BAR)	25	16
MAX. ALLOWABLE TEMPERATURE (TMA)	300°C	250°C
CONNECTION		
SIZE	1/2"	
WEIGHT (KGS)	0,350	



STAINLESS STEEL SAFETY VALVE WITH SPRING

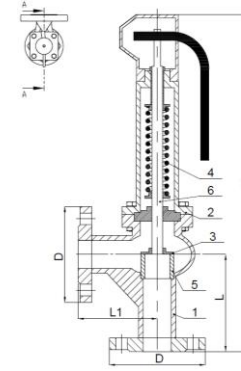
MODEL NST-PEV2



MATERIALS OF MAIN PARTS		
PARTS		MATERIAL
1	COVER	SS316
2	STEAM	SS304
3	ADJUSTING BOLT	SS304
4	LOCKING NUT	SS304
5	GASKET	PTFE
6	BODY	SS316
7	SPRING	ALLOY STEEL
8	SPRING WASHER	SS304
9	LOCKING NUT	SS304
10	DISC	SS316
11	NOZZLE	SS316

TECHNICAL SPECIFICATIONS	
MAX.OPERATING TEMPERATURE (° C)	200 °C
MAX.OPERATING INLET PRESSURE	40 Bar
CONNECTION DIMENSIONS	ISO 228

DIMENSIONS			
SIZE	L1	L2	WEIGHT KGS
1/2"	32	53	0,5
3/4"	35	60	0,75
1"	39	65	0,9
1 1/4"	46	80	1,45
1 1/2"	50	86	2,1
2"	55	95	3,95



PROPORTIONAL LIFT SAFETY VALVE WITH SPRING

TYPE NST-OKV/Y



NO	DESCRIPTION	MATERIAL
1	BODY	EN GJL 250 / EN GJS 400-15
2	COVER	EN GJL 250 / EN GJS 400-15
3	SEAT	X5CrNi18-8 - AISI302
4	SPRING	X12CrNi18-8 - AISI302
5	FLAP	X5CrNi18-10 - AISI304
6	SHAFT	X5CrNi18-10 - AISI304

TECHNICAL SPECIFICATIONS	
OPERATING TEMPERATURE (°C)	16 BAR - 10 ~ +120 13 BAR 200 °C 11 BAR 250 °C 10 BAR 300 °C
CONNECTION SIZES	TS EN 1092-2 (PN16)
NOMINAL PRESSURE (BAR)	PN6
FACE TO FACE DIMENSIONS	TS EN 558
DESIGN	TS EN ISO 4126
TESTS	TS EN 12266-1

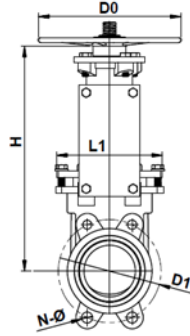
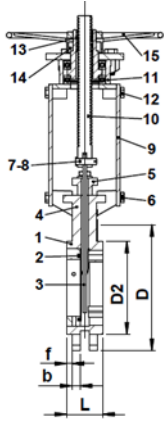
DIMENSIONS				
SIZE	D	L1	L	H
DN25	115	100	105	405
DN32	140	105	115	410
DN40	150	115	140	430
DN50	165	125	150	480
DN65	185	145	170	512
DN80	200	155	195	555

CONNECTIONS	FLANGED					
SIZE	DN25	DN32	DN40	DN50	DN65	DN80
WEIGHTS (KGS)	9,8	11,7	13,8	17	26,5	30



PLEASE CONSULT OUR SALES STAFF FOR OUR FULL LIFT SAFETY VALVE





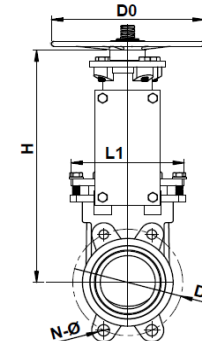
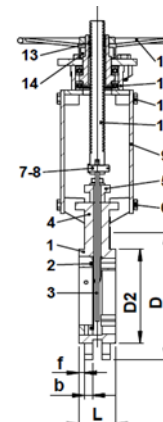
CASTING KNIFE GATE VALVES

TYPE NST-BV1



NO	DESCRIPTION	MATERIAL
1	BODY	GGG40 / WCB
2	SEALING	EPDM
3	KNIFE	304&316
4	GLAND	WCB
5	PACKING	PTFE
6	BOLT	201
7-8	PIN	201OR WCB (DN150-DN400)
9	YOKE	A3
10	SHAFT	X20Cr13
11	YOKE HEAD	WCB
12	BOLT	201
13	BEARING	ZChSnSb10-6
14	STUD BOLT	WCB
15	HANDWHEEL	GGG40

SIZE	L	L1	D	D1	D2	D0	H	N-Ø	b	f	WEIGHT (KGS)
DN50	48	136	165	125	99	180	295	4-M16	16	2	8
DN65	48	151	185	145	118	180	335	4-M16	16	2	10
DN80	51	170	200	160	132	200	360	8-M16	17	2	13
DN100	51	190	220	180	156	200	400	8-M16	17	2	16
DN125	57	212	250	210	184	220	455	8-M16	17	2	21
DN150	57	230	285	240	212	250	510	8-M20	21	2	26
DN200	60	286	340	295	266	300	585	8-M20	21	2	33
DN250	70	338	395	350	319	350	695	12-M20	24	2	54
DN300	76	388	445	400	370	350	765	12-M20	24	2	66
DN350	76	460	505	460	430	400	880	16-M20	33	2	91
DN400	89	520	565	515	480	500	995	16-M24	35	2	121



STAINLESS STEEL KNIFE GATE VALVES

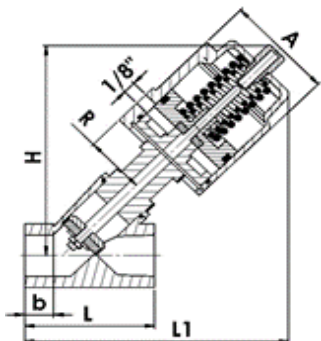
TYPE NST-PBV2



NO	DESCRIPTION	MATERIAL
1	BODY	CF8-CF8M
2	SEALING	EPDM
3	KNIFE	304&316
4	GLAND	WCB
5	PACKING	PTFE
6	BOLT	201
7-8	PIN	201 OR WCB (DN150-DN400)
9	YOKE	A3
10	SHAFT	X20Cr13
11	YOKE HEAD	WCB
12	BOLT	201
13	BEARING	ZChSnSb10-6
14	STUD BOLT	WCB
15	HANDWHEEL	GGG40

SIZE	L	L1	D	D1	D2	D0	H	N-Ø	b	f	WEIGHT KGS
DN50	48	136	165	125	99	180	295	4-M16	16	2	8
DN65	48	151	185	145	118	180	335	4-M16	16	2	10
DN80	51	170	200	160	132	200	360	8-M16	17	2	13
DN100	51	190	220	180	156	200	400	8-M16	17	2	16
DN125	57	212	250	210	184	220	455	8-M16	17	2	21
DN150	57	230	285	240	212	250	510	8-M20	21	2	26
DN200	60	286	340	295	266	300	585	8-M20	21	2	33
DN250	70	338	395	350	319	350	695	12-M20	24	2	54
DN300	76	388	445	400	370	350	765	12-M20	24	2	66
DN350	76	460	505	460	430	400	880	16-M20	33	2	91
DN400	89	520	565	515	480	500	995	16-M24	35	2	121

Y TYPE SINGLE ACT STAINLESS PNEUMATIC ANGLE SEAT VALVES



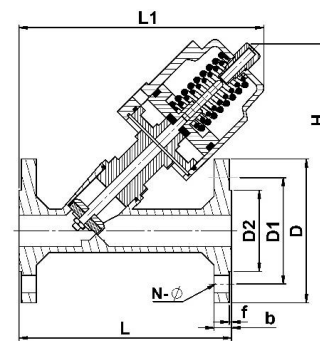
TYPE NST-P3



DESCRIPTION	MATERIAL
BODY	SS316
CYLINDER	SS 316
SHAFT	HARD CHROME PLATTED SS316
SPRING	PH 17.7 SS
PRESSURE RANGE	0-16 BAR
MAX. OPERATING TEMPERATURE	180°C
CONTROL PRESSURE RANGE	3-8 BAR
NORMALLY	ON&OFF

SIZE	ACTUATOR (MM)	ORIFICE (MM)	KVS WERT Kv	P	CONTROL PRESSURE	L	L1	H	A	b	R	WEIGHT KGS
3/8"	40	13	3,8	0-1,6	0,3-0,35	68	131	124	60	12	33	0.95
1/2"	50	13	4,7	0-1,6	0,3-0,35	68	131	124	60	15	33	0.95
3/4"	50	18	9,5	0-1,6	0,3-0,40	75	136	128	60	16	33	1.05
1"	63	24	18,1	0-1,6	0,3-0,35	90	169	162	60-75	17	41	1.95
1 1/4"	63	31	23,1	0-1,6	0,3-0,55	116	187	174	75	21	41	2.5
1 1/2"	90	35	32,9	0-1,6	0,25-0,40	116	201	175	75-106	21	41	3.65
2"	90	45	52,8	0-1,6	0,25-0,45	138	247	232	106	22	55	4.6
2 1/2"	90	61	82,6	0-1,0	0,25-0,60	178	285	265	106	26	55	
3"	125 AL	80	127	0-1,6	0,3-0,7	210	372	313	148	27	74	
4"	125AL	90	132	0-0,4	0,3-0,7							

Y TYPE SINGLE ACT STAINLESS PNEUMATIC ANGLE SEAT VALVES



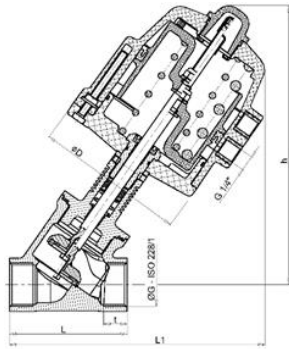
TYPE NST-PF3



SPARE PARTS	
BODY	316 SS
CYLINDER	316 SS
SHAFT	HARD CHROME PLATED 316SS
SPRING	PH 17.7 SS
PRESSURE RANGE	0 -16 BAR
MAX. OPERATING TEMPERATURE	180°C
CONTROL PRESSURE RANGE	3-8 BAR
NORMALLY	ON & OFF

SIZE	ACTUATOR (MM)	ORIFICE (MM)	Kv	P	L	L1	H	D	D1	D2	N- Ø	b	f	WEIGHT KGS
DN15	50	13	4,7	0-1,6	130	160	140	95	65	45	4-14	14	2	2.55
DN20	50	18	9,5	0-1,6	150	165	140	105	75	58	4-14	14	2	3.05
DN25	50-63	24	18,1	0-1,6	160	185	145 / 175	115	85	68	4-14	14	2	4.4
DN32	63	31	23,1	0-1,6	180	200	188	140	100	78	4-18	16	2	6.1
DN40	63-90	35	32,9	0-1,6	200	202	190 / 140	150	110	88	4-18	16	3	8
DN50	90	45	52,8	0-1,6	230	222	245	165	125	102	4-18	16	3	10
DN65	90	61	82,6	0-1,0	290	340	280	185	145	122	4-18	18	3	
DN80	125	80	127	0-1,6	310	387	355	200	160	138	8-18	20	3	
DN100	125	90	132	0-0,25	350	410	382	215	190	158	8-18	20	3	

Y TYPE PNEUMATIC ANGLE SEAT VALVES



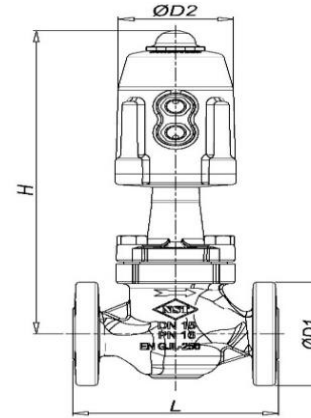
TYPE NST-P4



MATERIAL	
BODY	SS316(1.4408)
CYLINDER	PA66 GF30
SHAFT	SS316L (1.4404)
SPRING	PH 17.7 SS
PRESSURE RANGE	0-16 BAR
MAX. OPERATING TEMPERATURE	-10...180°C
CONTROL PRESSURE RANGE	3-8 BAR
NORMALLY	ON&OFF

SIZE	ACTUATOR (MM)	ORIFICE (MM)	KV	P (bar)	PRESSURE (BAR)	L	L1	h	ØD	t	WEIGHT KGS
1/2"	63	20	5	20	5	65	171	200	100	G 1/2"	0,27
3/4"	63	20	9	20	5	75	177	200	100	G 3/4"	0,31
1"	90	31	17	16	5,4	90	195	214	127	G 1"	0,62
1 1/4"	90	31	23	16	5,4	110	204	214	127	G 1 1/4"	0,75
1 1/2"	90	48	40	10	5,4	120	208	224	127	G 1 1/2"	1,2
2"	90	48	52	10	5,4	150	222	224	127	G 2"	1,8
2 1/2"											
3"											
4"											

T TYPE SINGLE ACT PNEUMATIC ANGLE SEAT VALVES



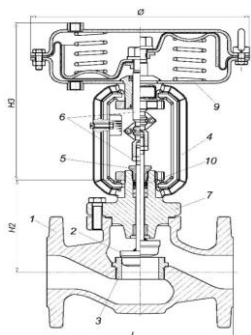
TYPE NST-TPF3



SPARE PARTS	
BODY	EN-GJL-250, GJS-400-18-LT, 1.0619, 1.4408
ACTUATOR	PA 66
SHAFT	HARD CHROME PLATED
SPRING	PH 17.7 SS
PRESSURE RANGE	0 -16 BAR
MAX. OPERATING TEMPERATURE	-10 ... 180°C
CONTROL PRESSURE RANGE	3-8 BAR
NORMALLY	ON & OFF

SIZE	ACTUATOR (ØD2)	ORIFICE (MM)	Kv	PN	L	H	ØD1	WEIGHT KGS
DN15	63	20	6	16 - 25 - 40	130	277	95	4,9
DN20	63	20	9		150	277	105	5,5
DN25	90	24	18		160	277	115	6,9
DN32	90	48	20		180	295	140	11,9
DN40	90	48	36		200	295	150	12,5
DN50	90	48	44		230	295	165	15,3
DN65								
DN80								
DN100								

PROPORTIONAL CONTROL VALVES



TYPE NST-OKV1

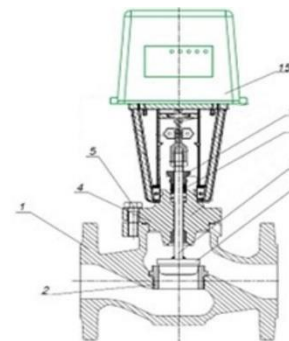


NO	DESCRIPTION	MATERIAL
1	BODY	GJS-400-18-LT/395 / WCB / CF8 / CF8M
2	FLAP	1.4305 ~ PEEK
3	SEAT	1.4305
4	YOKE	GGG40
5	GUIDE SLEEVE	1.4104
6	SHAFT	1.4305
7	COVER	GJS-400-18-LT / 395
9	ACTUATOR	ERD 6224
10	V PACKET GASKET	PTFE - CARBON

FLOW CHARACTERISTIC												
SEAT DIAMETER DN (mm)	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Kv	4	6,3	10	16	25	40	60	80	160			
EQ%												
PN16 DIN 2501												
SIZE	L	H2	H3	Ø	WEIGHT (KGS)							
DN15	130	107	216	240	14,5							
DN20	150	107	216	240	15,1							
DN25	160	107	216	240	15,6							
DN32	180	99	225	270	20,2							
DN40	200	99	225	270	21							
DN50	230	99	225	270	22,7							
DN65	290	162	228	270	34,3							
DN80	310	162	228	270	36							
DN100	350	197	333	380	64							

SPECIFICATION&TECHNICAL CONDITIONS	
NOMINAL PRESSURE	PN16,25,40,64,100
FLOW CHARACTERISTIC	EQUAL PERCENTAGE, LINEAR, QUICK OPEN (FOR SHUT-OFF VALVE)
COVER FORM	STANDART TYPE: CAST STEEL -20°C~+250°C CAST STAINLESS STEEL 40°C~+250°C
	FIN-EXTENSION TYPE: CAST STEEL -29°C~+425°C CAST STAINLESS STEEL : -40°C~+450°C
	LONG-EXTENSION TYPE: CAST STEEL : -60°C~-100°C, -100°C~-200°C, -200°C~-250°C
SEAT SEALING	ANSI IV,V,VI

PROPORTIONAL CONTROL VALVES



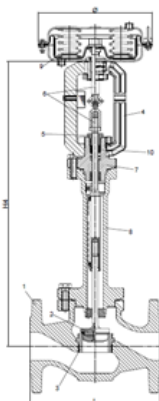
TYPE NST-OKV2



NO	DESCRIPTION	MATERIAL
1	BODY	GJS-400-18-LT/395 / WCB / CF8 / CF8M
2	SEAT	1.4305
3	FLAP	1.4305 ~ PEEK
4	COVER	GJS-400-18-LT/395
5	BOLT	8.8
6	SHAFT	1.4305
8	V PACKET GASKET	PTFE - CARBON
9	GUIDE SLEEVE	1.4104
15	ELECTRIC DRIVE	

FLOW CHARACTERISTIC												
SEAT DIAMETER DN (mm)	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Kv	4	6,3	10	16	25	40	60	80	160			
EQ%												
PN16 DIN 2501												
SIZE	L	H2	H3	Ø	WEIGHT KGS							
DN15	130	107	216	240								
DN20	150	107	216	240								
DN25	160	107	216	240								
DN32	180	99	225	270								
DN40	200	99	225	270								
DN50	230	99	225	270								
DN65	290	162	228	270								
DN80	310	162	228	270								
DN100	350	197	333	380								

SPECIFICATION&TECHNICAL CONDITIONS	
NOMINAL PRESSURE	PN16,25,40,64,100
FLOW CHARACTERISTIC	EQUAL PERCENTAGE, LINEAR, QUICK OPEN (FOR SHUT-OFF VALVE)
COVER FORM	STANDART TYPE: CAST STEEL -20°C~+250°C CAST STAINLESS STEEL 40°C~+250°C
	FIN-EXTENSION TYPE: CAST STEEL -29°C~+425°C CAST STAINLESS STEEL : -40°C~+450°C
	LONG-EXTENSION TYPE: CAST STEEL : -60°C~-100°C, -100°C~-200°C, -200°C~-250°C
SEAT SEALING	ANSI IV,V,VI



PROPORTIONAL CONTROL VALVE

TYPE NST-IOKV1



SPECIFICATION & TECHNICAL CONDITIONS	
NOMINAL PRESSURE	PN16,25,40,64,100
FLOW CHARACTERISTIC	
COVER FORM	STANDARD TYPE : CAST STAINLESS STEEL : -20°C- +250°C
	CAST STEEL: -40°C- +250°C
	CAST STEEL: -29°C- 425°C CAST STAINLESS STEEL : -40°C - +450°C
SEAT SEALING	-60°C -100°C -200°C, -200°C-250°C ANSI IV,V,VI (SOFT SEALING)

-10 TO +220 °C									
BODY		-10 to +300	-10 to +350	-10 to +400	-50 to +450	-50 to +300	-50 to 300	-10 to +400	-50 to +450
					-196 to 450		-196 to +300		-196 to +450
		-10 to +300	-10 to +350	-10 to +400	-50 to +450	-50 to +300	-50 to 300	-10 to +400	-50 to +450
					-196 to 450		-196 to +300		-196 to +450

NO	DESCRIPTION	MATERIAL
1	BODY	GJS-400-18-LT/395 / WCB / CF8 / CF8M
2	FLAP	1.4305 ~ PEEK
3	SEAT	1.4305
4	YOKE	GJS-400-18-LT/395
5	GUIDE SLEEVE	1.4104
6	SHAFT	1.4305
7	COVER	GJS-400-18-LT / 395
8	INSULATED PART	WCB / CF8 / CF8M
9	BELLOWS	1.4571
10	V PACKET	PTFE / CARBON

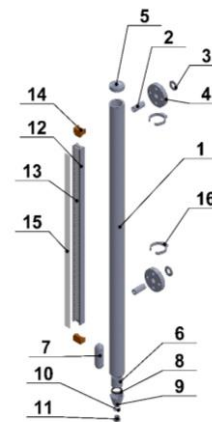
FLOW CHARACTERISTIC													
SEAT DIAMETER DN (MM)		DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
RATED KV	EQ%	4	6,3	10	16	25	40	60	80	160			
PN16 DIN 2501													
SIZE	L	H4		H4		H4		H4		H4		H4	
DN15	130	476		476		476		476		476		476	
DN20	150												
DN25	160												
DN32	180	506		506		506		506		506		506	
DN40	200												
DN50	230												
DN65	290	527		527		527		527		527		527	
DN80	310												
DN100	350												

STAINLESS STEEL MAGNETIC LEVEL INDICATOR

TYPE NST- PMSG

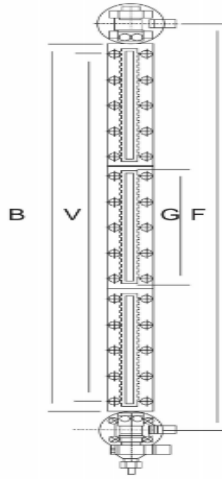
SIZES	
BODY	48,3X2 MM
CONNECTION PIPES	26,9X2 MM
NECK	3/4"
FLANGES	DN20 PN16
BODY UNION	11/2"
DRAIN PLUG	1/2"

OPERATING CONDITIONS OF LEVEL INDICATOR	
MAX. OPERATING PRESSURE	16 BAR
MAX. OPERATING TEMPERATURE	180 °C
MAX.VIBRATION	100 HZ



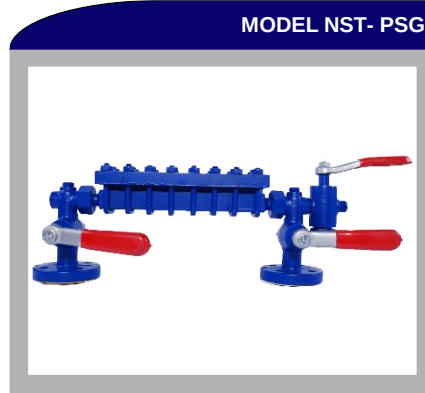
USAGE AREAS OF LEVEL INDICATOR	
•SHIPPBUILDING INDUSTRY •FUEL TANKS •CHEMICAL TANKS •REFINERIES	•LIQUID GAS TANKS •UNDERGROUND TANKS •STEAM TANKS •CONDENSATE TANKS

NO	DESCRIPTION	MATERIAL
1	BODY	AISI 304 / 316
2	CONNECTION PIPE	AISI 304 / 316
3	NECK	AISI 304 / 316
4	FLANGES	AISI 304 / 316
5	COVER	AISI 304 / 316
6	BODY NIPPLE	AISI 304 / 316
7	FLOAT	AISI 316
8	BODY GASKET	PTFE
9	BODY UNION	AISI 304 / 316
10	PLUG GASKET	PTFE
11	DRAIN PLUG	AISI 304 / 316
12	INDICATOR PROFILE	ALUMINIUM
13	DISC	ABS / NYLON 6
14	CLAMP PLATE	ALUMINIUM
15	SIGHT GLASS	PLEXIGLASS
16	CLAMP	AISI 304 / 316



LIQUID LEVEL INDICATOR

MODEL NST- PSG



STANDART LENGHTS				
	F	B	V	G
1	310	205	168	190
2	340	235	198	220
3	370	265	228	250
4	400	295	258	280
5	440	335	298	320
6	515	410	373	190
7	575	470	433	220
8	635	530	493	250
9	695	590	553	280
10	775	670	633	320
11	900	795	758	250
12	990	885	848	280
13	1110	1005	968	320
14	1285	1180	1143	280
15	1445	1340	1303	320
16	1580	1475	1438	280
17	1780	1675	1638	320
18	2115	2010	1973	320

DESCRIPTION

VALVES	GGG40
REFLEX GLASS	MAXOS
SHAFT	SS304 & SS316
GASKET	GRAPHITE
COVER	ST37 CARBON STEEL

USAGE AREAS OF LEVEL INDICATOR

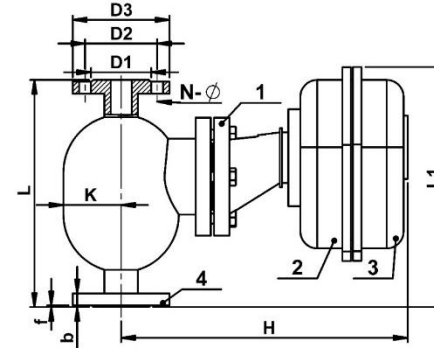
•SHIPPBUILDING INDUSTRY	•LIQUID GAS TANKS
•FUEL TANKS	•UNDERGROUND TANKS
•CHEMICAL TANKS	•STEAM TANKS
•REFINERIES	•CONDENSATE TANKS

OPERATING CONDITIONS

MAX. OPERATING PRESSURE	16 BAR
MAX. OPERATING TEMPERATURE	250 °C
MAX. TEST PRESSURE	32 BAR

BOILER DISCHARGE EQUIPMENT THREADED / FLANGED

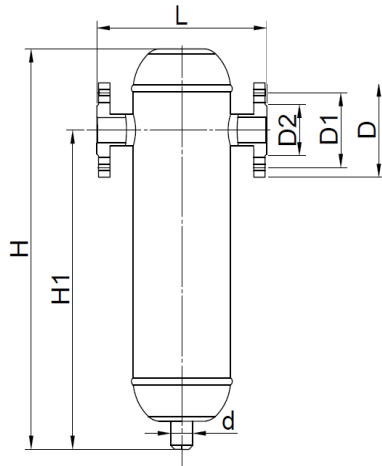
MODEL NST-KTC



OPERATING CONDITIONS	
CONNECTION	THREADED / FLANGED
MAX. ALLOWABLE PRESSURE PMA (BAR)	25 Bar
MAX. ALLOWABLE TEMPERATURE TMA (°C)	200 °C
APPLICATION AREA	STEAM BOILERS HYDROPHORES

NO	DESCRIPTION	MATERIAL
1	COVER	GGG.40 CASTING
2	ALUMINIUM BOTTOM COVER	ALUMINIUM INJECTION
3	ALUMINIUM TOP BONNET	ALUMINIUM INJECTION
4	FLANGED BODY	GGG.40 CASTING

VORTEX STEAM SEPARATORS

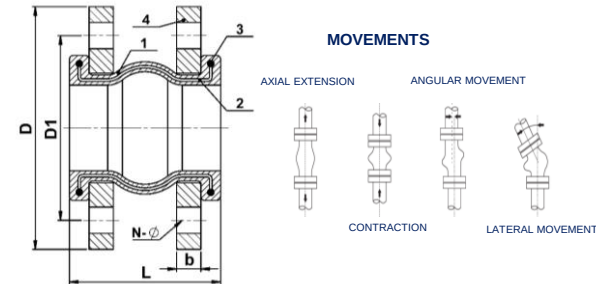


OPERATING CONDITIONS		
PRESSURE	MAX. OPERATING PRESSURE (BAR)	MAX. OPERATING TEMPERATURE °C
PN16	13	200
PN25	20	250
PN40	32	250

SIZE	L	H	H1	D	D1	D2	d
DN15	180	345	240	95	65	45	R1/2"
DN20	230	400	290	105	75	58	R1"-1/2"
DN25	230	420	315	115	85	68	R1"-1/2"
DN32	250	440	315	140	100	78	R1"-1/2"
DN40	300	480	340	150	110	88	R1"-1/2"
DN50	300	540	400	165	125	102	R1"-1/2"
DN65	400	645	475	185	145	122	R1 1/2"-3/4"
DN80	450	720	520	200	160	138	R1 1/2"-3/4"
DN100	500	860	620	220	180	158	R2"-1"
DN125	600	1020	740	250	210	188	R2"-1"
DN150	600	1175	850	285	240	212	R2"-1"
DN200	850	1200	900	340	295	268	R2"-1"
DN250	900	1600	1240	405	355	320	R2"
DN300	950	1700	1310				R2"

THE GIVEN SIZES ARE ROUGHLY, THEY MAY CHANGE DURING ORDER.

RUBBER EXPANSION JOINT



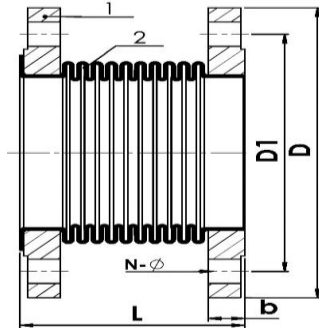
OPERATING CONDITIONS	
MAX.WORKING PRESSURE (KG /CM2)	MAX.WORKING PRESSURE (°C)
7,5	50
5	70
4	80

NO	DESCRIPTION	MATERIAL
1	RUBBER	EPDM OR NBR
2	KEY FRAME	NYLON CORD FABRIC
3	PRESSURE RING	STEEL WIRE STRAND
4	FLANGE	SI37 OR STAINLESS STEEL

SIZE	PRESSURE CLASS	L	D	D1	b	N-Ø	WEIGHT (KGS)
DN32	PN10/16	100	140	100	16	18-4	
DN40	PN10/16	100	150	110	16	18-4	
DN50	PN10/16	100	165	125	16	18-4	
DN65	PN10/16	100	185	145	18	18-4	
DN80	PN10/16	100	200	160	20	18-8	
DN100	PN10/16	100	220	180	20	18-8	
DN125	PN10/16	120	250	210	22	18-8	
DN150	PN10/16	120	285	240	22	22-8	
DN200	PN10/16	120	340	295	24	22-12	
DN250	PN16	130	405	355	26	26-12	
DN300	PN16	130	460	410	26	26-12	

NECK: DIN 2501 ST 37
BELLOWS: STAINLESS STEEL
LINER: STAINLESS STEEL
CONNECTION MATERIAL: CARBON STEEL OR STAINLESS STEEL

AXIAL EXPANSION JOINT



TYPE NST-M1

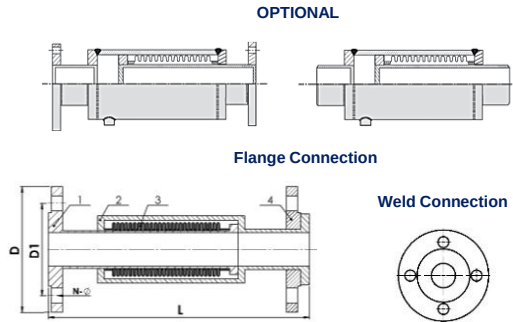


OPERATING CONDITIONS		
PRESSURE CLASS (OPTIONAL)		PN16,PN25,PN40
TEMPERATURE RANGE (DEPENDING ON THE MATERIAL)		-90 °C~550°C
NO	DESCRIPTION	MATERIAL
1	FLANGE	St 37.2 & SS304 & SS316
2	BELLOWS	SS304

SIZE	PRESSURE	L (MM)		D mm	D1 mm	N-Ø	b mm	WEIGHT (KGS)
		EXPANSION L MM						
		30 (-20+10)	60 (-40+20)					
DN25	PN16	110	-	115	85	14*4	16	
DN32	PN16	110	-	140	100	18*4	18	
DN40	PN16	120	-	140	110	18*4	18	
DN50	PN16	120	-	165	125	18*4	20	
DN65	PN16	120	180	185	145	18*4	20	
DN80	PN16	120	180	200	160	18*8	20	
DN100	PN16	120	185	220	180	18*8	22	
DN125	PN16	125	190	250	210	18*8	22	
DN150	PN16	130	200	285	240	22*8	24	
DN200	PN16	150	230	340	295	22*12	26	
DN250	PN16	165	245	405	355	26*12	29	

NECK: DIN 2501 ST 37
BELLOWS: STAINLESS STEEL
LINER: STAINLESS STEEL
CONNECTION MATERIAL: CARBON STEEL OR STAINLESS STEEL

EXTERNAL PRESSURIZED EXPANSION JOINT



TYPE NST-DBK

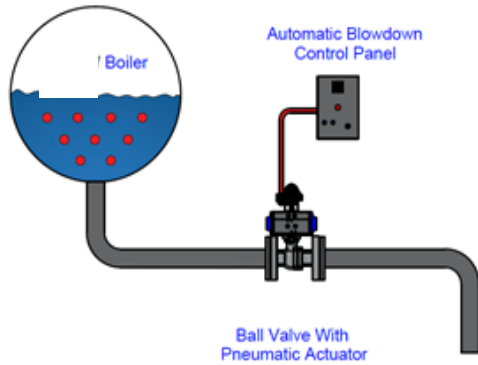


OPERATING CONDITIONS		
PRESSURE CLASS (OPTIONAL)		PN16,PN25,PN40,PN64
TEMPERATURE RANGE (DEPENDING ON THE MATERIAL)		-90 °C~550°C
NO	DESCRIPTION	MATERIAL
1	FLANGE	St 37.2,AISI304,AISI316,AISI321
2	BELLOWS	St 37.2, AISI304,AISI316,AISI321
3	LINER	AISI304,AISI316,AISI321
4	FLANGE	St 37.2,AISI304,AISI316,AISI321

SIZE	PRESSURE PN16 / PN40	EXPANSION L MM			D mm	D1 mm	N-Ø	EFFECTIVE AREA cm²
		30 mm (-20+10)	60 mm (-40+20)	90 mm (-70+20)				
DN25	16	315	335	560	115	85	14*4	54
DN32	16	325	445	570	140	100	18*4	54
DN40	16	335	455	575	150	110	18*4	54
DN50	16	340	460	595	165	125	18*4	89
DN65	16	355	470	600	185	145	18*4	91
DN80	16	355	475	625	200	160	18*4	141
DN100	16	360	490	625	220	180	18*4	196
DN125	16	375	505	625	250	210	18*4	272
DN150	16	385	515	655	285	240	22*8	346
DN200	16	435	560	725	340	295	22*12	572
DN250	16	460	625	800	405	355	26*12	829

AUTOMATIC BLOWDOWN SYSTEMS

TYPE NST-P11



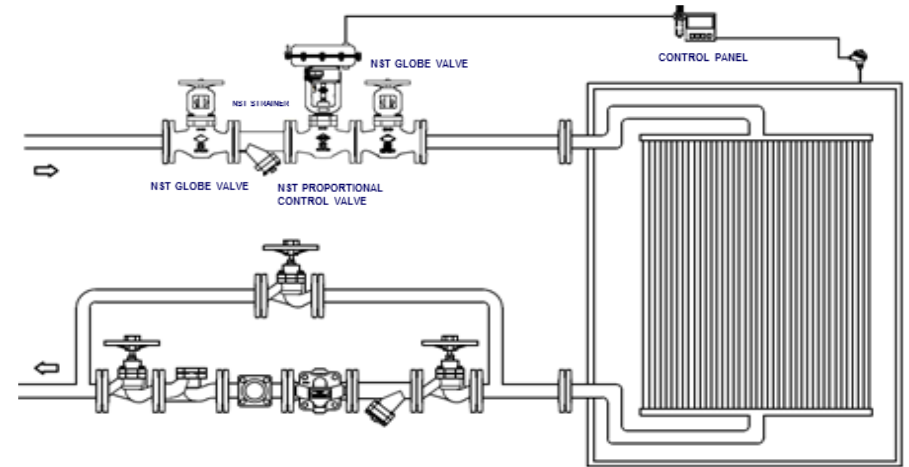
PRODUCT DESCRIPTION

Undesirable materials that stiffen up and settle down by time in the tank should be sent out of the system. If this is done manually less than the required, it harms the system, if it is done more than the required, the energy cost increases. **NST-P11** bottom blowdown system prevents unnecessary energy consumption as well as protecting the armatures inside the pipeline.

NST-P11 bottom blowdown system consists of an automatic / manual timer with time adjustment, 2 pc full port ss ball valve with actuator and switch box that gives feedback about position.

THERMOSTATIC AUTOMATISATION CONTROL VALVE

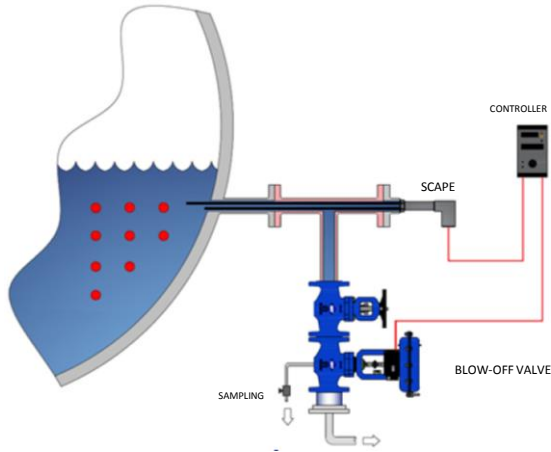
TYPE NST-SK22



PRODUCT DESCRIPTION

By obtaining precise proportional temperature control with thermostatic valve automation, both energy saving and help in protecting the system. Cabin temperature and desired temperature range can be seen from the digital control panel. It provides the valve to open and close in percentage by providing information to the IP converter and positioner. They have a very wide temperature adjustment range. Easy to assemble, disassemble and maintain. Textile, paper, chemistry, petrochemical, energy, pharmaceutical industry, automation systems are the main areas of use.

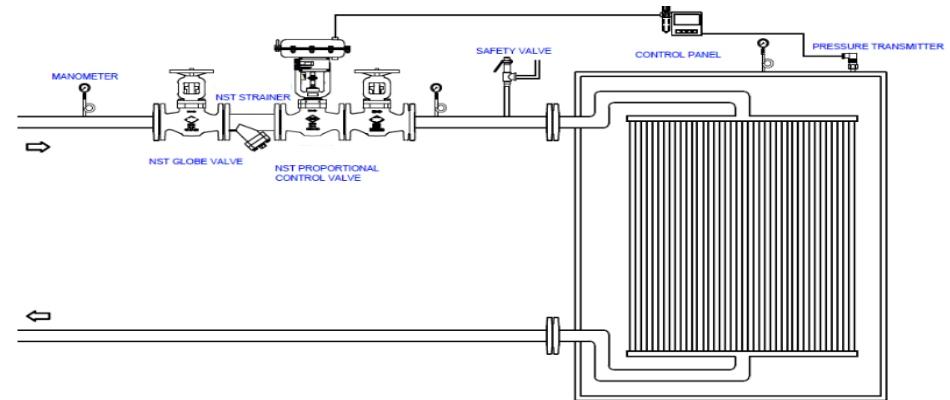
AUTOMATIC SURFACE BLOWDOWN SYSTEMS



PRODUCT DESCRIPTION

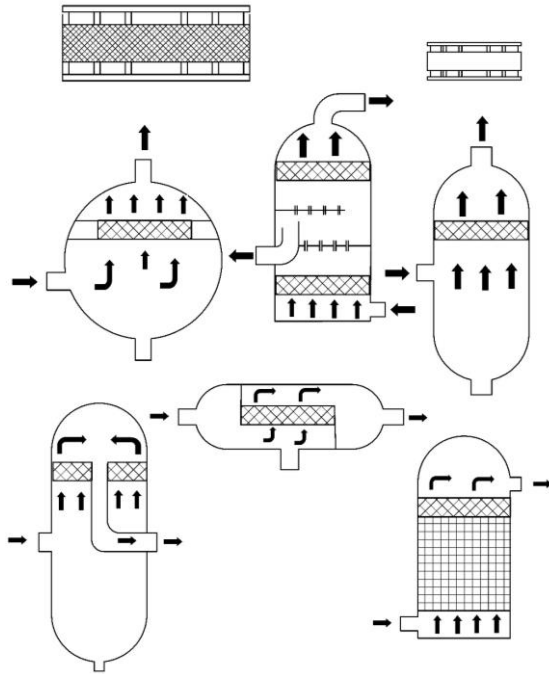
The correct conditioning of the water in the boiler is important for the total melted particle (TDS) density in the water during steam production. By keeping the TDS rate in the water within the limits, failures that may occur in the boiler and steam lines should be prevented. These particles (Calcium, Magnesium salts etc...) that may form in the boiler are removed from the boiler by various methods. The most commonly used method is the Surface Blowdown System. The **NST-P12** automatic surface blowdown system keeps the conductivity of the boiler water in the desired reference range, avoiding unnecessary energy consumption and without having to employ additional personnel. By keeping the TDS rate stable, it helps you get the maximum time and best efficiency from the boiler. NST-P12 automatic surface blowdown system is suitable for all boiler models.

PRESSURE REDUCING AUTOMATISATION CONTROL VALVE



PRODUCT DESCRIPTION

By obtaining precise proportional temperature control with pressure reducing automation control valve, both energy saving and help in protecting the system. Line pressure and set pressure range can be seen from the digital control panel. The controller provides information to the IP converter and positioner in line with the information received from the pressure transmitter, allowing the valve to open and close in percent. In addition, pressure monitoring can be done from the IP converter. It has a very large pressure adjustment range. Easy to assemble, disassemble and maintain. It is suitable for use in automation systems in textile paper, chemical, petrochemical, energy, pharmaceutical industry.



MIST ELIMINATOR

TYPE NST-DMT

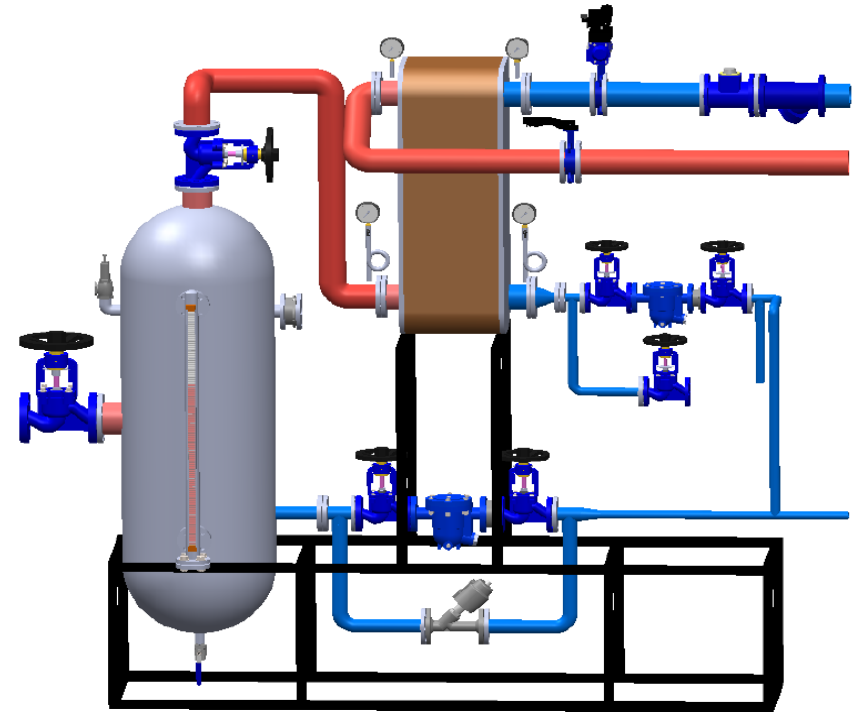


PERMANENT SOLUTION FOR WATER HARMER IN STEAM TANKS ARE MADE BY MIST ELIMINATORS;

In every process which has a contact between liquid and gas, flowing gas carries along with tiny droplets. In steam tanks; entrainment of hot water along with steam to pipe line and in air pipe-lines; continuously occurrence of mists are among often seen examples. Liquid droplets entrained along with steam causes the inefficiency of the process, loss of product, serious technical harms, the low quality quality steam to be carried, inefficiency in tanks and harms in armatures (such as steam trap, valve, check valve, strainers, control valves, exchanger, etc...). The processes that eliminate tiny droplets inside gas (steam or air) are called mist eliminators. Different designs of mist eliminator can be made both as different sizes of droplets to be separated and the different capacity requirements in pipe line.

FLASH STEAM RECYCLING SYSTEM

TYPE NST-FBGK



PRODUCT DESCRIPTION

Condensates occurring in steam line are sent out of system by steam traps. Also depending on steam trap type, condensate which is sent out of system, is at the same temperature with the steam fed to system. Due to pressure difference between condensate line and steam line, some of condensate which is at the same temperature with steam, evaporates. This flash steam at low pressure is usually sent into atmosphere through air vent of condensate tank. The flash steam amount being sent out, changes depending on steam amount which is used at the process, model of steam trap and also robustness of steam traps in the system. The main object of the project is to ensure energy efficiency by bringing the flash steam (being sent out into atmosphere), into re-usable condition in the system.

STAINLESS STEEL JACKET HOSE

TYPE NST-PHF1



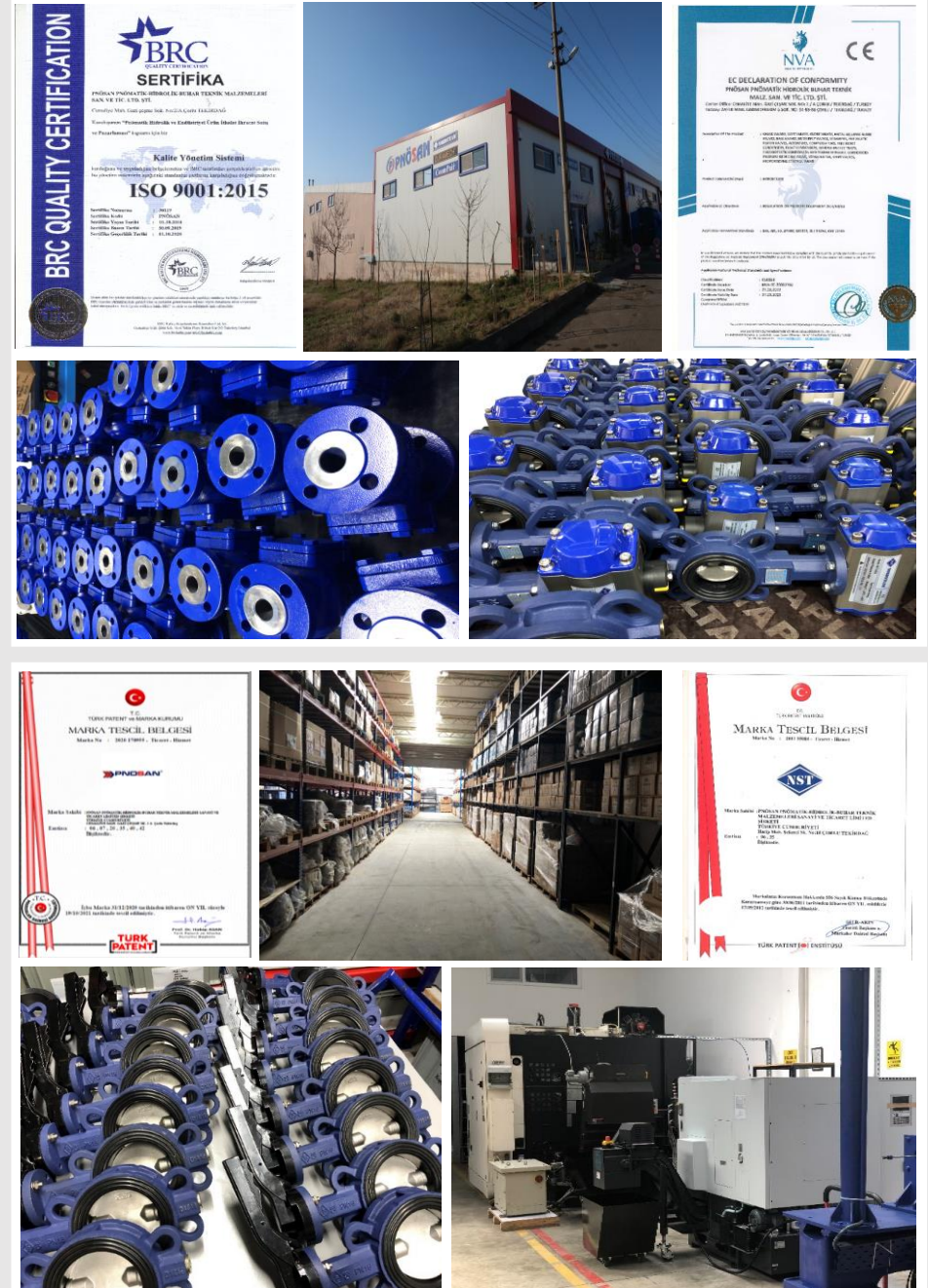
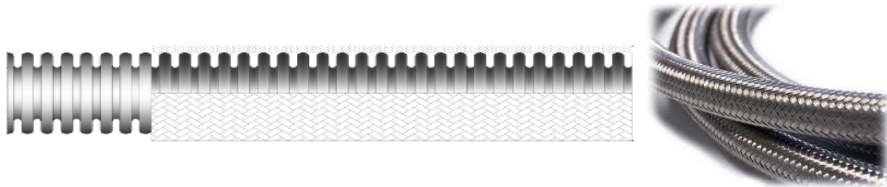
STAINLESS STEEL FLEXIBLE METAL BRAIDED HOSES

TYPE NST-PHD1



STAINLESS STEEL BRAIDED HOSES

TYPE NST-PH42





NORDSTEAM®

Made by **PNOSAN**



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