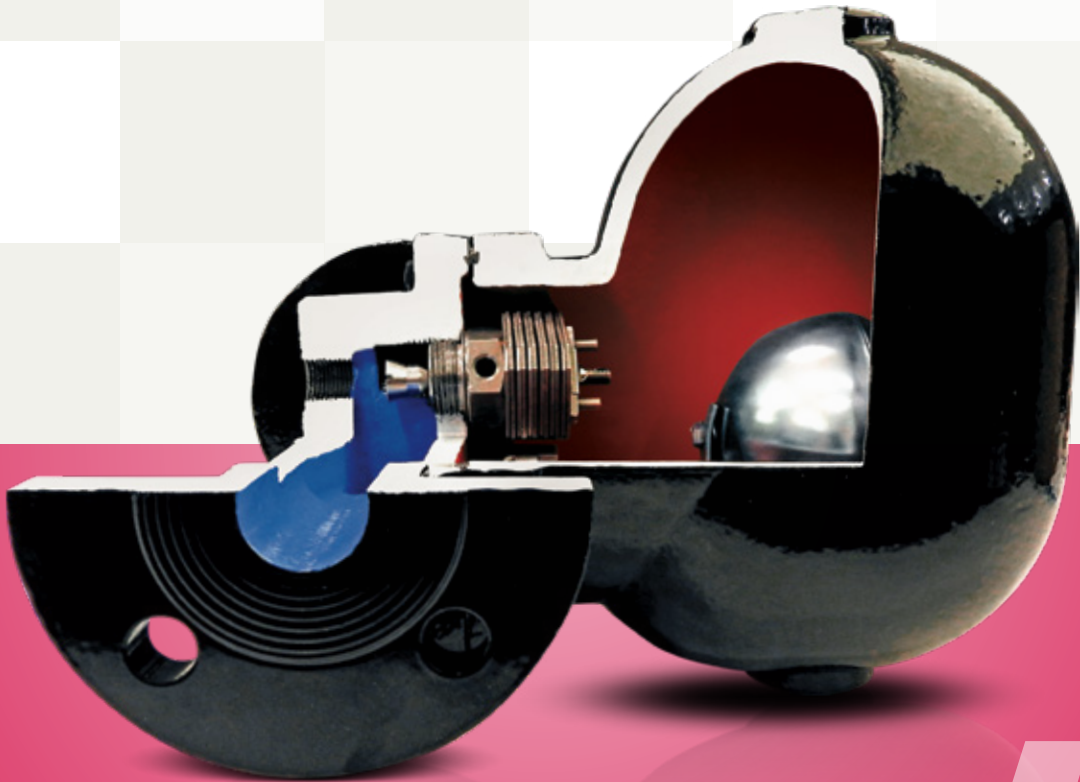
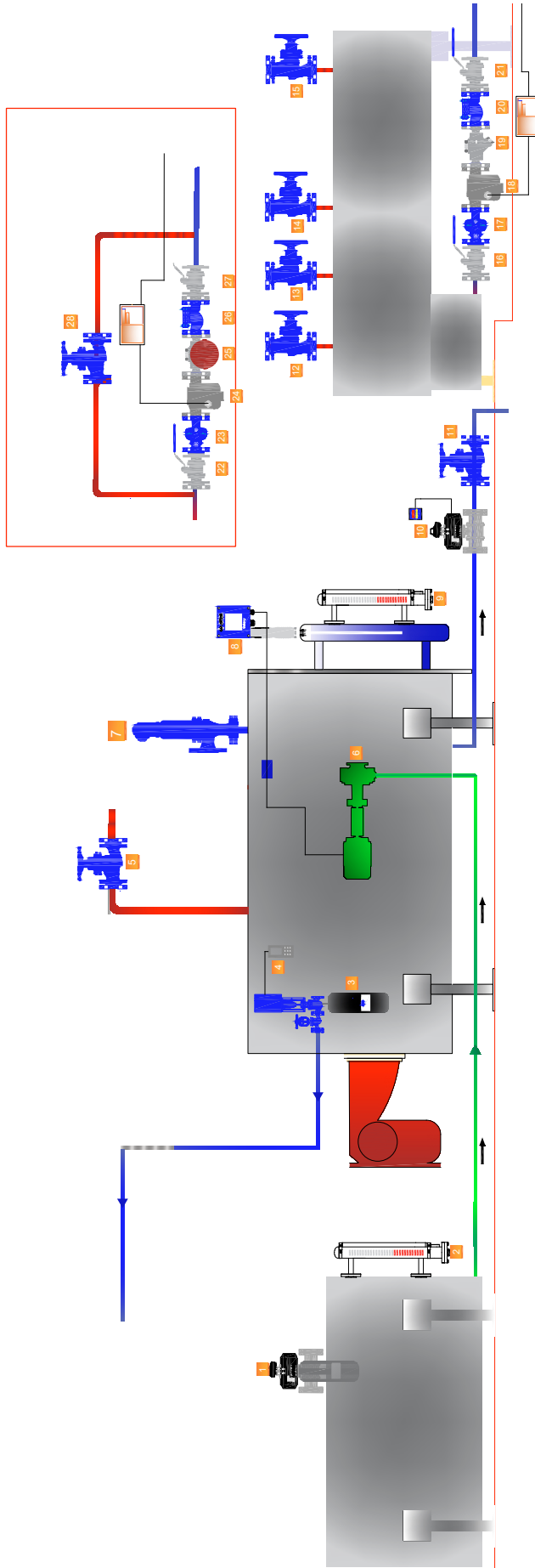




STEAM EQUIPMENT





TANK SECTION (FEED WATER, DEAERATOR, CONDENSATE RECOVERY)

- (1) DEAERATOR ▶ ASD
- (2) MAGNETIC LEVEL GAUGE ▶ MG-33S

BOILER

- (3) BOILER WATER SAMPLING GASKETINER ▶ NK-16
- (4) SURFACE BLOWDOWN SYSTEM ▶ YBS-10
- (5) BELLOW SEALED VALVE ▶ MK-16
- (6) BOILER PROPORTIONAL LEVEL CONTROL SYSTEM
- (7) SAFETY VALVE ▶ L9-BP
- (8) CAPACITIVE LEVEL ELECTRODE ▶ KP-01
- (9) MAGNETIC LEVEL GAUGE ▶ MG-33
- (10) BOTTOM BLOWDOWN VALVE ▶ DBV-10
- (11) BELLOW SEALED VALVE ▶ MK-16

COLLECTOR (HEADER)

- (12-13-14-15) BELLOW SEALED VALVE ▶ MK-16
- (16-21) STAINLESS STEEL BALL VALVE ▶ V3-F
- (17) STRAINERS ▶ PTY-30
- (18) STEAM TRAP CONTROLLING UNIT ▶ TKON
- (19) THERMODYNAMIC STEAM TRAP ▶ TDK-45
- (20) CHECK VALVE ▶ CLV-50

STEAM TRAP UNIT

- (22-27) STAINLESS STEEL BALL VALVE ▶ V3-F
- (23) STRAINERS ▶ PTY-30
- (24) STEAM TRAP CONTROLLING UNIT ▶ TKON
- (25) FLOAT TYPE STEAM TRAP WITH AIR VENT ▶ SK-51
- (26) CHECK VALVE ▶ CLV-50

A: Best Option
B: Acceptable, Alternative

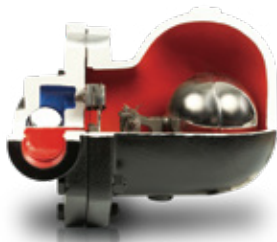
SYSTEM	Float Type and Floating Ball (Air and Gas Vent)	Inverted Bucket Type (BT-16)	Thermodynamic (TDK-45)	THERMOSTATIC		Bimetallic (TK-1)	Super Condensate Discharger (HK-23)
				Thermostatic (TKK-2Y-2N, TKK-21, T-KK-41)	Thermostatic With 3 Capsules (TKK-3)		
Main Steam Lines							
Horizontal Lines	B	B	A	B			
Before Separator	A	B	B	B			
Line Ends	B	B	A	B			
Line Discharge				B			
Trace Lines				A			
Collector (Collect- Distribute)	B	B	A				
Volume Heating Equipment	A	B					
Heat Exchanger	A				B		B
Plate Tanks	A				B		B
Fuel-Oil Pre Heaters	A				B		B
Water Heaters	A	B					B
Heating Batteries	A	B	B				
Panel Or Plate Heaters	B			A		B	
Radiator Or Convector	B	B		A	B		B
Roof Heating Serpentine	B			A	B		B
Drying Rooms	B			A	B		B
Green House Heaters	B			A	B		B
Air Tool	B			A	B		B
Sugar Drier							
Kitchen Appliances	A		B	B			
Fixed Cooking Boilers	A			B			
Movable Cooking Boilers	B			A			
Standing Cooking Boilers				A			
Steam Oven	B			A			
Hot Plates							
Medical Equipment	B	B		A			
Autoclaves	B	B		A			
Sterelizers	A		B			B	
Pressurized Cookers							
Process Tools	A		B	B			
Fixed Boilers	A						
Movable Boilers	A	B					
Beer Boilers	A	B	B				
Grinders	A	B					
Evaparators			B	A			B
Hot Plates (Jacketed)	A	B					
Distillation Equipment	A	B					
Tanks	B	A					
Vulcanization Tools							

A: Best Option

B: Acceptable, Alternative

SYSTEM	Float Type and Floating Ball (Air and Gas Vent)	Inverted Bucket Type (BT-16)	Thermodynamic (TDK-45)	THERMOSTATIC		Bimetallic (TK-1)	Super Conden- sate Discharger (HK-23)
				Thermostatic (TKK-2Y-2N,TKK- 21,TKK-41)	Thermostatic With 3 Capsules (TKK-3)		
Dip Oil Boilers	A			B	B		B
Cheese Boilers	A			B	B		B
Candy Boilers	A			B	B		B
Drying Cylinders							
Constant Drying Serpantines	A	B		B		B	
Grid Drying Serpantines		B		B		A	
Drying Cylinders	A	B					
Multiple Drying Serpantines	A	B		B			
Multi Cylinder Driers	A	B					
Rotating Driers	A				B		B
Paper Dough Driers	A				B		B
Fabric And Paper Drier Cylinders	A				B		B
Laundry Equipment							
Apparel Presses	B	B	A				
Irons	B	B	A	B			
Solvend Collecting Unit	A	B	B				
Drum Driers	A	B					
Tanks							
Process Tanks (Upper Outlet)	B	B	A	B			
Process Tanks (Bottom Outler)	A	B	B	B			
Short Serpantine Heating Tank (Fast)	A	B		B			
Oil And Asphalt Tanks	A				B		B
Paint And Polish Tanks	A				B		B
Evaparators	A				B		B
Mixer Tanks	A				B		B
Fuel-Oil Tanks	A				B		B
Presses							
Multi Plate Preeses (Parallel)	B	B	A				
Multi Plate Preeses (Serial)		B	A				
Tyre Presses	B	A	B				
Vulcanization Presses			B	A		B	B
Moulding Presses			B	A		B	B
Plywood Presses			B	A		B	B
Fuel Heating							
Main Fuel Tank Heaters		A	B				
Line Heaters	A	B					
Straight Line Heaters, Jacketed Pipe- lines			B	B		B	B
Turbines			A			B	B
Marine Applications			A	B		B	B

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-50



Body and Cover

Iron Casting GG-25(DN32-40-50)

Internals and float
Connection Types

Ductile Iron GGG 40(DN25)
Stainless Steel AISI 304
Flanged and threaded

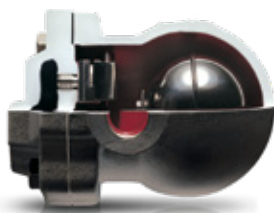
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

16 bar
250 °C
4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-51 / SK-51C



Body and Cover
Internals and float
Connection Types

Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and threaded

* SK-51C: The thermostatic unit can be disabled by balance rod.

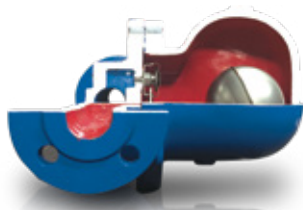
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Differential Pressure (ΔP)

16 bar
250 °C
4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-55



Body and Cover
Internals and float
Connection Types

Cast Iron GG 25
Stainless Steel
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Differential Pressure (ΔP)

16 bar
250 °C
4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-55L



Body and Cover
Internals and float
Connection Types

GGG 40
Stainless Steel
Flanged and threaded

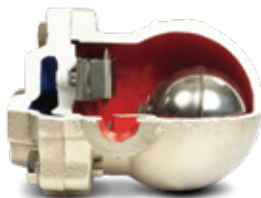
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

16 bar
250 °C
4,5-10-14 bar

DIMENSIONS	
Flanged (DN)	Threaded (inch)
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-61/SK-61C



Body and Cover
Internals and float
Connection Types

Stainless Steel AISI 316
Stainless Steel
Flanged and threaded

* SK-61C: The thermostatic unit can be disabled by balance rod.

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

25 bar
250 °C
4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT ► SK-61 WITH SIGHT GLASS



Body and Cover
Internals and float
Connection Types

Stainless Steel AISI 316
Stainless Steel
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

25 bar
250 °C
4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH BIMETALIC AIR VENT► SK-50B



Body and Cover
Internals and float
Connection Types

Iron Casting GG-25(DN32-40-50)
Ductile Iron GGG 40(DN25)
Stainless Steel AISI 304
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250 °C
Max. Differential Pressure (ΔP) 4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

Ayvaz products are subject to technical alterations and deviations resulting from the manufacturing process.

FLOAT TYPE STEAM TRAPS WITH AIR VENT► SK-51 SLR



Body and Cover
Internals and float
Connection Types

Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250 °C
Differential Pressure (ΔP) 4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT► SK-55 WITH SIGHT GLASS



Body and Cover
Internals and float
Connection Types

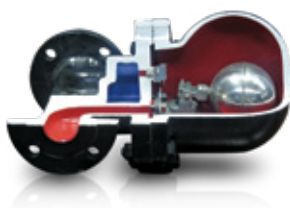
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250 °C
Differential Pressure (ΔP) 4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT► SK-80



Body and Cover
Internals and float
Connection Types

Iron Casting GG-25
Stainless Steel
Flanged

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 25 bar
Max. Operating Temperature (TMO) 250 °C
Max. Differential Pressure (ΔP) 4,5-10-14

DIMENSIONS	
Flanged (DN)	
25	
32	
40	
50	

FLOAT TYPE STEAM TRAPS WITH AIR VENT► SK-70



Body
Cover
Internals and Float
Connection Types

Cast Steel GSC 25
Cast Steel GSC 25
Stainless Steel
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 25 bar
Body Pressure Class PN32
Max. Operating Temperature (TMO) 250 °C
Max. Differential Pressure (ΔP) 4,5-10-14

* SLR type available.

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT► SK-70 WITH SIGHT GLASS



Body and Cover
Internals and float
Connection Types

Cast Steel GSC 25
Stainless Steel AISI 304
Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 32 bar
Max. Operating Temperature (TMO) 250 °C
Differential Pressure (ΔP) 4,5-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

FLOATING BALL TYPE STEAM TRAPS ► SFK-40



Body and Cover
Float
Filter and Shooter Air Unit

Ductile Iron GGG 40
Stainless Steel
Stainless Steel

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

16 bar
220 °C
4.5-8-10-14

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

Ayvaz products are subject to technical alterations and deviations resulting from the manufacturing process.

FLOATING BALL TYPE STEAM TRAPS ► SFK-61



Body and Cover
Float
Filter and Shooter Air Unit

Stainless Steel AISI 316
Stainless Steel AISI 304
Stainless Steel AISI 304

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

25 bar
220 °C
4,5-10-14 bar

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

Ayvaz products are subject to technical alterations and deviations resulting from the manufacturing process.

FLOATING BALL TYPE STEAM TRAPS ► SFK-70



Body and Cover
Internals and float
Connection

Cast Steel
Stainless Steel AISI 304
Threaded, Flanged, Weld end

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

25 bar
220 °C
4,5-10-14 bar

DIMENSIONS	
Flanged (DN)	Threaded (inch)
15	1/2"
20	3/4"
25	1"

STEAM TRAP TEST VALVE ► KTV-10



Body Material
Ball Material
Body Gasket
Ball Seat
Connection Type
Nominal Pressure (PN)
Max. Operating Temp.

Stainless Steel AISI 304
Stainless Steel AISI 304
PTFE
R-PTFE (15%)
Threaded and Flanged
40 bar
-50/+210 °C

Stainless Steel AISI 316
Stainless Steel AISI 316
PTFE
R-PTFE (15%)
Threaded and Flanged
40 bar
-50/+210 °C

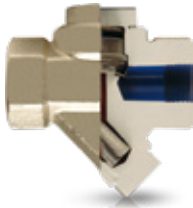
DIMENSIONS	
FLANGED (DN)	THREADED (inch)
DN15	1/2"
DN20	3/4"
DN25	1"
DN32	1 1/4"
DN40	1 1/2"
DN50	2"

CONDENSATE POLLUTION CONTROL SYSTEM ► KKS-10



- Stainless Disc Checkvalve
- Double Effective Pneumatic Actuated Stainless Ball Valve Normally Open
- Double Effective Pneumatic Actuated Stainless Ball Valve Normally Closed
- Conductivity Transmitter B&C Electronic C3600 4-20mA (110x90x60mm)
- Conductivity Sensor Sensorex CS675 HTTC 250 PSI 200C 1" Diving Length
- Sensor Diameter 19mm Cable Side 3/4ADK-100 Controller
- Stainless Ball Valve Threaded 304 Quality

THERMODYNAMIC STEAM TRAPS ► TDK-45



Body
Cover
Strainer, Disc, Seat
Connection Types

Forged Steel
Stainless Steel AISI 304
Stainless Steel AISI 304
Flanged, threaded, socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

40 bar
400 °C

DIMENSIONS	
Flanged (DN)	Threaded And Socket (inch)
15	1/2"
20	3/4"
25	1"

THERMODYNAMIC STEAM TRAPS ► TDK-71



Body
Cover
Strainer, Disc, Seat
Connection Types

Stainless Steel AISI 304
Stainless Steel AISI 304
Stainless Steel AISI 304
Threaded

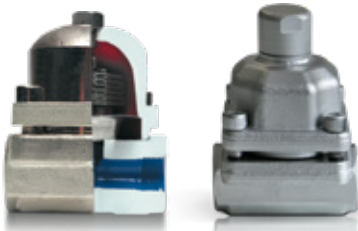
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Body Pressure Class
Max. Operating Temperature (TMO)

42 bar
PN63
400 °C

DIMENSIONS	
Threaded and Socket (inch)	
1/2"	
3/4"	
1"	

BI-METALLIC STEAM TRAPS ► TK-1 / TK-1A



Body
Cover
Strainer, Disc, Seat
Connection Types

Forged Steel
Stainless Steel AISI 304
Stainless Steel AISI 304
Flanged, Threaded, Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

40 bar
400 °C

DIMENSIONS	
Flanged (DN)	Threaded and Socket (inch)
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"

THERMOSTATIC STEAM TRAPS ► TTK-2Y



Body and Cover
Strainer, Seat
Thermostatic Capsule
Check Valve
Connections

Forged Steel
Stainless Steel AISI 304
Hastelloy
Brass MS 58
Flanged, Threaded, Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

32 bar
250 °C

DIMENSIONS	
Flanged (DN)	Threaded And Socket (inch)
15	1/2"
20	3/4"
25	1"

THERMOSTATIC STEAM TRAPS ► TTK-2N



Body and Cover
Strainer, Seat
Thermostatic Capsule
Check Valve
Connections

Forged Steel
Stainless Steel AISI 304
Hastelloy
Brass MS 58
Flanged, Threaded Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

32 bar
250 °C

DIMENSIONS	
Flanged (DN)	Threaded and Socket (inch)
15	1/2"
20	3/4"
25	1"

THERMOSTATIC STEAM TRAPS ► TTK-21



Body and Cover
Strainer, Seat
Thermostatic Capsule
Connections

Forged Steel
Stainless Steel AISI 304
Hastelloy
Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

32 bar
250 °C

DIMENSIONS	
Threaded (inch)	
3/8"	
1/2"	

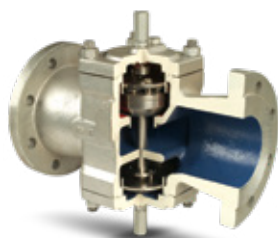
THERMOSTATIC STEAM TRAPS ► TTK-41/42



Body	Stainless Steel AISI 304
Thermostatic Capsule	Stainless Steel AISI 316 (opt.)
Strainer, Seat	Hastelloy
Connection Types	Stainless Steel AISI 304 Threaded
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	45 bar
Max. Operating Temperature (TMO)	250 °C

DIMENSIONS
Threaded (inch)
1/2"
3/4"

THERMOSTATIC STEAM TRAPS ► HK-23 SUPER CONDENSATE RELEASER



Body	Ductile Iron GGG 40
Cover	Ductile Iron GGG 40
Thermostatic Capsule	Hastelloy & Stainless Steel
Internals	Stainless Steel AISI 304
Connections	Flanged
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	21 bar
Max. Operating Temperature (TMO)	250 °C

DIMENSIONS
Flanged (DN)
50
65
80
100

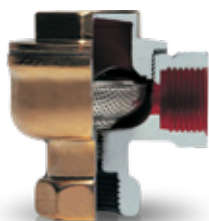
THERMOSTATIC STEAM TRAPS ► TTK-3 WITH 3 CAPSULES



Body and Cover	Forged Steel
Thermostatic Capsule	Stainless Steel AISI 304
Strainer, Seat	Stainless Steel AISI 304
Connection Types	Threaded
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	32 bar
Max. Operating Temperature (TMO)	250 °C

DIMENSIONS	
Flanged (DN)	Threaded and Welded (Inch)
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"

THERMOSTATIC AIR DRAINERS ► TTK-11 AIR ELIMINATOR



Body and Cover	Brass
Thermostatic Capsule	Hastelloy
Internals	Stainless Steel AISI 304
Connections	Threaded
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	10 bar
Max. Operating Temperature (TMO)	150 °C

DIMENSIONS
THREADED (mm)
1/2"

THERMOSTATIC AIR DRAINERS ► TTK-61 AIR ELIMINATOR



Body and Cover	Brass
Thermostatic Capsule	Hastelloy
Internals	Stainless Steel AISI 304
Connections	Threaded
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	10 bar
Max. Operating Temperature (TMO)	150 °C

DIMENSIONS
THREADED (mm)
1/2"

INVERTED BUCKET STEAM TRAPS ► BT-16



Body	Ductile Iron GGG 40
Cover	Ductile Iron GGG 40
Internals and Float	Stainless Steel
Connection Types	Threaded
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	220 °C
Max. Differential Pressure (ΔP)	5,4-8,5-15,5

DIMENSIONS
Threaded (Inch)
1/2"
3/4"
1"

VACUUM BREAKERS ► VK-70



Body
Cover
Internals
Connections

Brass
Brass
Stainless Steel AISI 304
Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS

Threaded (mm)

1/2"

VACUUM BREAKERS ► VK-71



Body
Cover
Internals and float
Connection Types

Stainless Steel AISI 304
Stainless Steel AISI 304
Stainless Steel AISI 304
Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

25 bar
400 °C

DIMENSIONS

Threaded (mm)

1/2"

STEAM SEPERATORS ► SPR-16/25/40



Body
Internals
Connections
Condensate output
Air output

Carbon Steel / Stainless Steel (Optional)
Stainless Steel AISI 304
Flanged
3/4"
1/2"

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16/25/40 bar
200 °C

DIMENSIONS

PN	FLANGED (DN)	THREADED (inch)
16 25 40	15 ... 300	1/2" 3/4" 1"

PRESSURE REDUCING VALVES ► BDV-25



Body
Shaft, Seat, Strainer
Internals
Connections

Ductile Iron GGG 40
Stainless Steel AISI 304
Stainless Steel AISI 304
Threaded

OPERATING CONDITIONS

Max Inlet Pressure
Max. Outlet Pressure
Set Pressure

19 bar
8.6 bar
0,14-1,7 bar
1,4-4,0 bar
3,5-8,6 bar
210 °C

Max. Operating Temperature

DIMENSIONS

THREADED (inch)

1/2"
3/4"
1"

PRESSURE REDUCING VALVES ► GD-30



Body
Main Valve Seat
Diaphragm
Connections

Bronze Casting
Stainless Steel
Bronze
Threaded

OPERATING CONDITIONS

Max Inlet Pressure
Max. Outlet Pressure
Set Pressure

17 bar (PN20)
8.6 bar
B Type 0,5-4 bar
C Type 3,5-10 bar
210 °C

Max. Operating Temperature

DIMENSIONS

THREADED (inch)

1/2"
3/4"
1"
1 1/2"
2"

PILOT INFLUENCED PRESSURE REDUCERS ► GP-2000



Body
Main and Pilot Valve Seats, Diaphragm
Connections

Ductile Iron GGG 40
Stainless Steel
Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Field Settings
Spring Colour

20 bar
220 °C
(0,2-1,5 bar) / (1-14 bar)
Yellow (0,2-1,5 bar) / Green (1-14 bar)

DIMENSIONS

Flanged (DN)	Threaded (inch)
15 ... 150	1/2" ... 2"

FLOAT TYPE AIR DRAINERS ► HA-51 AIR DRAINER



Body
Cover
Internals and float
Connections

Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE AIR DRAINERS ► HA-50 AIR DRAINER



Body
Cover
Internals and float
Connections

Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
Flanged (DN)	Threaded (inch)
25	1"

FLOAT TYPE AIR DRAINERS ► HA-52



Body and Cover
Internals and float
Connections

Ductile Iron GGG 40 (HA-52)
Stainless Steel AISI 304
Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
THREADED (inch)	
3/4" x 1/2"	

FLOAT TYPE AIR DRAINERS ► HA-62



Body and Cover
Internals and float
Connections

Stainless Steel AISI 316
Stainless Steel AISI 304
Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
THREADED (inch)	
3/4" x 1/2"	

FLOAT TYPE LIQUID DRAINERS ► SA-51 LIQUID ELIMINATOR



Body
Cover
Internals and float
Connections
By-pass hole (Optional)

Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE LIQUID DRAINERS ► SA-50 LIQUID ELIMINATOR



Body
Cover
Internals and float
Connections
By-pass hole (Optional)

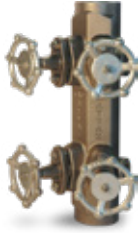
Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

16 bar
250 °C

DIMENSIONS	
FLANGED (DN)	THREADED (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

CONDENSATE CONNECTION MANIFOLDS ► KT-13



Body
Internals
Volan
Connections

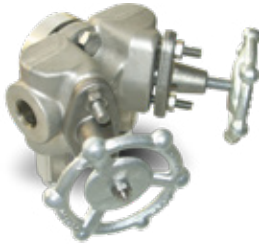
Carbon Steel C 22.8
Stainless Steel
Carbon Steel
Threaded/Socket

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
KV Valve

26 bar
250 °C
1.8 m³/s

DIMENSIONS
THREADED (mm)
1/2"
3/4"

PIPELINE CONNECTORS ► BK-33 (TD-SK)



Body
Seat and Disc
Internals
Volan
Connections

Stainless Steel AISI 304
Stainless Steel AISI 420
Stainless Steel
Carbon Steel
Threaded/Socket

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temp. (TMO)

42 bar
315 °C

DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

PIPELINE CONNECTORS ► BK-33 SK (FLOAT TYPE)



Body and Cover
Internals and Float
Thermostatic Unit
Volan
Connections

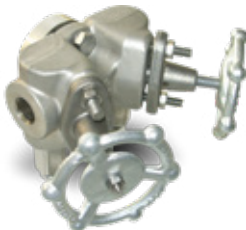
Stainless Steel AISI 304
Stainless Steel AISI 304
Stainless Steel AISI 304
Carbon Steel
Threaded/Socket

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temp. (TMO)
Differential Pressure

32 bar
286 °C
4,5/10/14 bar

DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

PIPELINE CONNECTORS ► BK-33 TK (THERMOSTATIC)



Body and Cover
Capsule
Internals
Volan
Connections

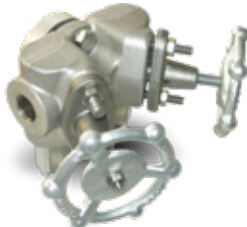
Stainless Steel AISI 304
Stainless Steel
Stainless Steel
Carbon Steel
Threaded/Socket

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temp. (TMO)
Differential Pressure

32 bar
240 °C
21 bar

DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

PIPELINE CONNECTORS ► BK-33 BM (BI-METALLIC)



Body
Bi-metallic Plates
Internals
Volan
Connections

Stainless Steel AISI 304
Stainless Steel AISI 304
Stainless Steel AISI 304
Carbon Steel
Threaded/Socket

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temp. (TMO)
Differential Pressure

32 bar
315 °C
32 bar

DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

PNEUMATIC CONTROL ON/OFF VALVES ► PKV-50



Body Material
Gasket
Connection Type
Nominal Pressure (PN)
Max. Operating Temp.

Stainless Steel AISI 316
PTFE
Threaded
16 bar
180 °C

DIMENSIONS
THREADED (mm)
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

STEAM FLOW METER ► AFM-10



Fluid
Sensitivity
Safety Class
Connections

Steam, Water, Air
+/- %1
IP 67
Wafer Type / Flanged

OPERATING CONDITIONS
Max. Working Pressure (PMO)
Max. Working Temperature (TMO)
Power Supply

150 bar
4-20 MA output and Alarm
Setting Plus ve Hart Protocol
24V

DIMENSIONS	
FLANGED (mm)	
50...300	

CONDENSATE PUMP SYSTEM ► ACOP



OPERATING CONDITIONS
Steam Pressure Range
Air Pressure
Power Supply
Design Pressure
Design Temperature
Evacuation Capasite in one time
Steam Consumption

2-10 bar
4-6 bar
230 V AC 50 Hz
11 bar
187 °C
25 lt
3 kg/1000 kg condensate

DISCHARGE CAPACITIES (kg/h)	
100i	550-775
200i	1150-1370
300i	2550-3400
400i	3460-4510
500i	4520-6620
600i	11070-16470

CONDENSATE PUMP SYSTEM ► ACOP-2P



OPERATING CONDITIONS
Steam Pressure Range
Air Pressure
Power Supply
Design Pressure
Design Temperature
Evacuation Capasite in one time
Steam Consumption

2-10 bar
4-6 bar
230 V AC 50 Hz
11 bar
187 °C
25 lt
3 kg/1000 kg condensate

FLASH STEAM RECOVERY TANK & SYSTEM ► AFBT



Body

St 37 Carbon Steel

OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temp. (TMO)
Connection Flanges

13 bar
200 °C
PN 16

STEAM CAPACITIES	
Type	Flash Steam (kg/h)
AFBT1	225
AFBT2	450
AFBT3	900
AFBT4	1.150
AFBT5	1.800
AFBT6	2.050
AFBT7	3.200
AFBT8	5.100

COMPACT DEAERATOR HEAD & SYSTEM ► ASD



De-Aerator Cover
Immersion Tube

Stainless Steel
Stainless Steel

OPERATING CONDITIONS
Design Pressure
Design Temperature

7 bar
180 °C

CONDENSATE CAPACITIES	
Type	Condensate (kg/h)
ASD 150	5.000 kg/h
ASD 200	10.000 kg/h
ASD 250	20.000 kg/h
ASD 300	30.000 kg/h

DE-SUPERHEATER ► ADES-10



Body
Nozzle
Pressure Class

A 116 gr B 7A335 P11
316 Stainless Steel
PN16 / PN160 -
ANSI 150 / ANSI 2500

DIMENSIONS	
Line Type	DN
Water	DN15 ... DN50
Steam Immersion	DN100 ...DN250
Steam Line	DN150 ... DN500

SIGHT GLASS CONDENSATE CONTROL ► SG



Body and Cover
Glass
Internals
Connections
Sealing Gaskets

Iron Casting GG-25
Tempered Soda Lime Glass
Stainless Steel AISI 304
Threaded and Flanged
PTFE

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 150 °C

DIMENSIONS	
Flanged (DN)	Threaded (Inch)
15, 20	1/2"
25, 32	3/4"
40, 50	1"
65, 80	1 1/4"
100	1 1/2"
	2"

STEAM TRAP CONTROLLING UNIT ► T-KON-20/21



Body
Inner Components
Gaskets

Ductile Iron GGG 40
Stainless Steel
PTFE

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 240 °C

DIMENSIONS	
FLANGED (DN)	THREADED (Inch)
DN15	1/2"
DN20	3/4"
DN25	1"
DN32	1 1/4"
DN40	1 1/2"
DN50	2"

SURFACE BLOWDOWN SYSTEM ► YBS-10/20



Conductivity Measuring Probe
Conductivity Transmitter (with LCD screen)
Digital Regulator
Surface Control Valve with Electric Motor
Service Support Before Installation
DN20 PN40 Metal Bellows Valve
DN20 PN40 Disco Check Valve

Flanged	
DIMENSIONS	DN20 (Standard) DN15-25-32-50-65 (Optional)
	Please contact our sales team for customized dimensions.

BOTTOM BLOWDOWN VALVE ► DBV-10



3 Pieced Ball Valve (V-3FP)
Timer (Controller)
Pneumatic Actuator
Single Actuation (Standard, NC)
Spring Controlled
Solenoid Valve
Limit Switch
Double Actuation (Optional)

Flanged	
DIMENSIONS	DN40 (Standard) DN15-20-25-32-50-65 (Optional)
	Please contact our sales team for customized dimensions.

LEVEL REGULATORS ► A-1/2/2F



Body
Float
Spindle
Bellow
Connection

Ductile Iron GGG 40
Stainless Steel AISI 316L
Stainless Steel AISI 304
Stainless Steel AISI 316L
1" BSPT Threaded (A-2) / DN 25 Flanged

OPERATING CONDITIONS

Pressure Class (A-2F) PN 25

BOILER PROPORTIONAL FEED WATER SYSTEM ► ON/OFF



Level Device

Body and Electrodes
Case
Injection Connection

KP01 3R

Stainless Steel
Aluminum Injection
3/4" BSP Threaded

Level Control Valve

Body
Connection
Controller

1.0619+N Cast Iron
Flanged
Ayvaz ADK-100
Proportional Level Controller

OPERATING CONDITIONS

Max. Working Pressure 238 bar
Max. Working Temp. 32 °C

OPERATING CONDITIONS

Max. Working Pressure PN 40
Max. Working Temp. 450 °C

DIMENSIONS	
Length	Size
300, 500	DN32
700, 1000	DN40
1200, 1500	DN50
2000	

BOILER WATER SAMPLING GASKETINER ► NK-16



Body
Serpentine
Connection

Stainless Steel
1/2" AISI 316 L Stainless Steel
3"

OPERATING CONDITIONS

Serpentine Nominal Pressure
Cold Water Input-Output
Body Nominal Pressure

PN 40
1/2"
PN 16

MAGNETIC LEVEL GAUGES ► MG-33



Body
Float
Magnetic Disc
Flange Material

Stainless Steel AISI 316
Stainless Steel AISI 316L
Plastic
Carbon Steel St. 37.2
(Opt. Stainless Steel)
Flange
16 bar
160°C
Yes
3/4"

Connections
Max. Operating Pressure
Max. Permissible Temperature
Contact Signal
Drain Plug

DIMENSIONS	
(Flanged) PN 16	DN15 DN20 DN25 DN32 DN40 DN50
Length (mm)	300...5000

LEVEL CONTROLLERS FOR STEAM BOILERS ► RC-11 LEVEL GAUGE WITH SIGHT GLASS



Body
Frame
Drain Plug and Liquid main Body
Connections
Max. Operating Pressure
Max. Operating Temperature

Cast Iron GG-25
A105
Cast Iron GG-25
Flange
16 bar/40 bar
250°C

DIMENSIONS	
(Flanged) PN 16, PN 40	DN20
Length (mm)	300 - 3000

LEVEL CONTROLLERS FOR STEAM BOILERS ► ELK-4/ELK-4F



Box Panel
Body
Flange
Electrodes
Electrode Insulation
Intermediate Disc
Connections
Max. Operating Pressure
Max. Operating Temperature
Control Type

Aluminium Injection
Stainless Steel 1.4517
Forged Steel 1.0460
Stainless Steel 1.4517
PTFE
PTFE
Flanged and threaded
32 bar
238°C
On/Off

	DIMENSIONS	
	(Threaded) DIN ISO 228/1	(Flanged) PN 40, DIN 2635
Size	1"	DN50
Length (mm)	500	436
	1000	936
	1500	1436

LEVEL CONTROLLERS FOR STEAM BOILERS ► KP-01 CAPACITIVE LEVEL ELECTRODE



Body
Box Panel
Flange
Electrodes
Electrode Insulation
Intermediate Disc
Connections
Analog Output
Max. Operating Pressure
Max. Operating Temperature

Stainless Steel 1.4517
Aluminium Injection
Forged Steel 1.0460
Stainless Steel 1.4517
PTFE
PTFE
Flanged and threaded
4-20 mA or (0-10V)
32 bar
238°C

	DIMENSIONS	
	KP01 (Threaded) DIN ISO 228/1	KP01-F (Flanged) PN 40, DIN 2635
Size	3/4"	DN50
Length (mm)	300 - 2000	275 - 1975

STAINLESS STEEL SAFETY VALVES ► L9-LS



Body
Seat
Disc
Spring
Sleeve
Operating Pressure
Operating Temperature

Stainless Steel CF8
Stainless Steel 304 or CF8
Stainless Steel 304 or CF8
Stainless Steel 304
Stainless Steel 304
0,3-2 kgf/cm² - 2,1-10 kgf/cm² - 11-20 kgf/cm²
- 196 °C / 290 °C

1/2" - 3/4" Angled and straight types are available

BELLOW VALVES ► MK-16/25/40



	A	C	F
Body	Grey Cast Iron EN-GJL-250	Nodular Cast Iron EN-GJS-400	Cast Steel
Seat Ring	X12Cr13	X12Cr13	-
Disc	X12Cr13	X12Cr13	X20Cr13 1.4021
Bellow	X6CrNiMoTi-17-12-2	X6CrNiMoTi-17-12-2	X6CrNiTi-18-10
Connection	Flanged	Flanged	Flanged
Max. Temperature	300 °C	350 °C	400 °C
Max. Pressure	16 bar	25 bar	40 bar
Nominal Diameter	DN 15-250	DN 15-200	DN 15-150

Tests acc. EN - 12266 - 1
Flanges drilled according to EN 1092-2 for body material A, C
Flanges drilled according to EN 1092-1 for body material F
Face-to-face dimension according to EN 558-1 series 1

GLOBE VALVES ► GV-16K/25Z/40K



	GV-16K	GV-25Z	GV-40K
Body	GG-25 Cast Iron	EN-GJS-400-18LT (5.3103)	1.0619
Connection	Flanged	Flanged	Flanged
Max. Work. Temperature	250°C	250°C	350°C
Max. Work. Pressure	16 bar	25 bar	40 bar

-FLANGED: DN15 all sizes are available in between DN400

LIFT TYPE CHECK VALVES ► CLV-50



Body Material	GG-25 Cast Iron	
Cover	GG-25 Cast Iron	
Disc Material	Stainless Steel AISI 304	
Spring Material	Stainless Steel AISI 304	
Gasket	CrNi laminated pure graphite	
Connection Type	Flanged	
Nominal Pressure (PN)	16 bar	9,6 bar
Max. Operating Temperature	100°C	300°C

-FLANGED: DN15 all sizes are available in between DN300

WAFER TYPE DISCO CHECK VALVES ► CV-10



	CV-10P	CV-10S1	CV-10S2
Body Material	Brass Ms58	Stainless Steel AISI 304	Stainless Steel AISI 316
Disc Material	Stainless Steel AISI 316	Stainless Steel AISI 316	Stainless Steel AISI 316
Centering Hoop	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
Spring Material	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
Connection Type	Wafer Type	Wafer Type	Wafer Type
Nominal Pressure (PN)	16 bar	40 bar	40 bar
Min. Allowable Temp.	-10°C	-10°C	-10°C
Max. Operating Temp.	250°C	300°C	300°C

-DN15 all sizes are available in between DN100

STRAINERS ► PTY-30 / PTY-40



	PTY-40	PTY-30
Body Material	Ductile Iron GGG 40	Body and Cover
Gasket	Graphite+Acanthopore Plate	Filter
Strainer	Stainless Steel AISI 304	Gasket
Filter	Stainless Steel AISI 304	Max. Working Temp.
Connection Type	Flanged	Max. Working Press.
Nominal Pressure (PN)	16 bar	10 bar
Max. Operating Temp.	120°C	300°C

DN15 all sizes available in between DN400

FOR LIQUIDS STRAINER ► YS-800



Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Screen	Stainless Steel AISI 304	Stainless Steel AISI 316
Cap	Stainless Steel AISI 304	Stainless Steel AISI 316
Gasket	PTFE	PTFE
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

1/2" all sizes available in between 2"

STEAM EQUIPMENT



HEAD OFFICE - FACTORY

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