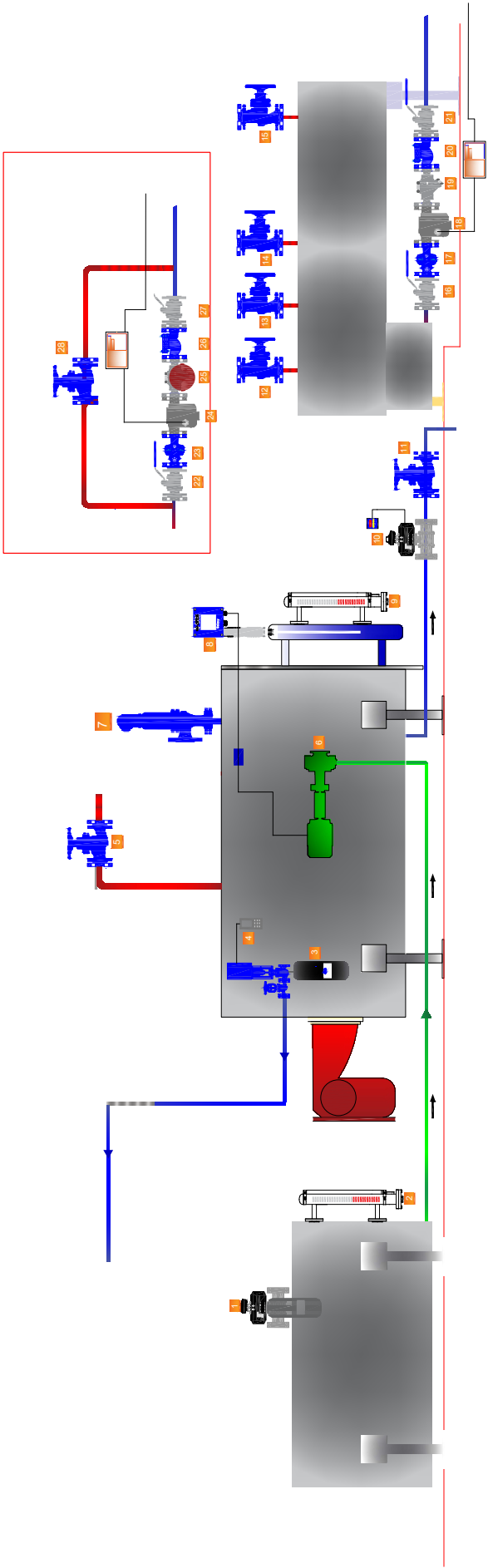


**STEAM
EQUIPMENT**

4





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▶ L9-8P
- (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

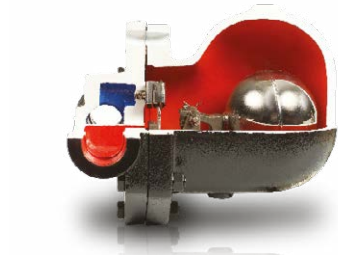
B: Acceptable, Alternative

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 Seperator	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 Serpantine	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 Condensate 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



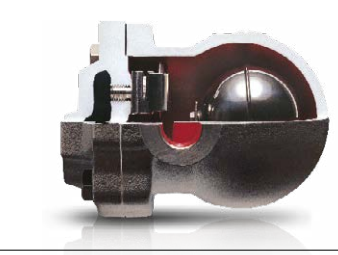
Body and Cover
Internals and float
Connection Types

Cast Iron 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"

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



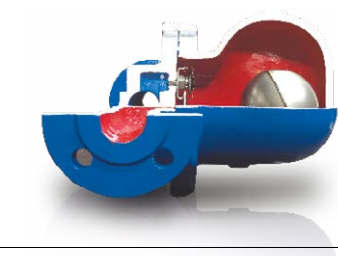
Body and Cover
Internals and float
Connection Types

Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and threaded

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



Body and Cover
Internals and float
Connection Types

Cast Iron GG 25
Stainless Steel
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-55L



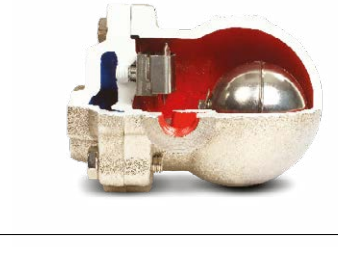
Body and Cover
Internals and float
Connection Types

GGG 40
Stainless Steel
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 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, Welded end, Threaded

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

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



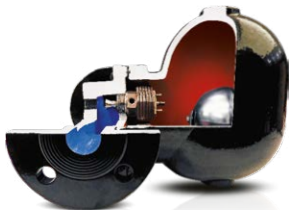
Body and Cover
Internals and float
Connection Types

Stainless Steel AISI 316
Stainless Steel
Flanged, Welded end, Threaded

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)	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

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

OPERATING CONDITIONS

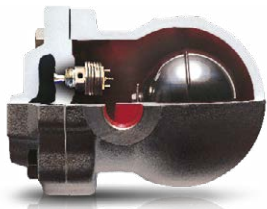
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

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"

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

FLOAT TYPE STEAM TRAPS WITH BIMETALIC AIR VENT► SK-51B



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 WITH SIGHT GLASS



Body and Cover
Internals and float
Connection Types

Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and threaded

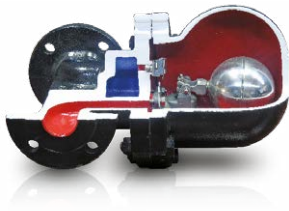
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
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-80



Body and Cover
Internals and float
Connection Types

Cast Iron GG-25
Stainless Steel
Flanged

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)	
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)
Body Pressure Class
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

25 bar
PN32
250 °C
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)
Max. Operating Temperature (TMO)
Differential Pressure (ΔP)

25 bar
250 °C
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

GGG40.3 Ductile Cast Iron
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 / 13 / 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-61



Body and Cover
Float
Filter and Shooter Air Unit
Connection

Stainless Steel AISI 316
Stainless Steel
Stainless Steel
Flanged, Welded end, Threaded

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

GSC25 Steel Casting
Stainless Steel AISI 304
Flanged, Welded end, Threaded

OPERATING CONDITIONS

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

25 bar
220 °C
4.5 / 8 / 10 / 14 bar

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

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

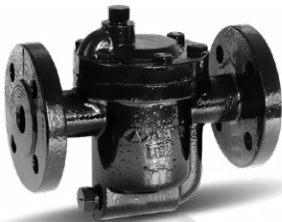
OPERATING CONDITIONS

Max. Operating Pressure (PMO)
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"

INVERTED BUCKET STEAM TRAPS► BT-16



Body
Cover
Internal Parts
Connection Types

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

OPERATING CONDITIONS

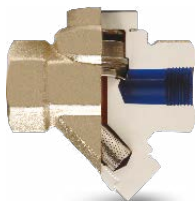
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)
Max. Differential Pressure (ΔP)

16 bar
220 °C
5,4-8,5-15,5

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

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

THERMODYNAMIC STEAM TRAPS►
TDK-45



Body
Cover
Strainer, Disc, Seat
Connection Types

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

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

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

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

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

42 bar
PN63
400 °C

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

THERMODYNAMIC STEAM TRAPS►
TDK-45D



Body
Cover
Filter, Disc, Seat
Max. Working Pressure
Max. Working Temperature
Min. Working Pressure

A105 Forged Steel
Transmission Steel
Stainless Steel
40 bar
400 °C
0.7 bar

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

BIMETALLIC STEAM TRAPS►
TK-1



Body
Cover
Strainer, Disc, Seat
Connection Types

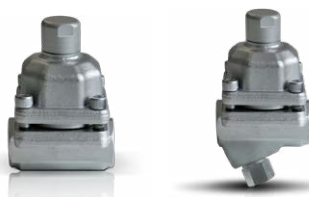
OPERATING CONDITIONS
Max. Operating Pressure (PMO)
Max. Operating Temperature (TMO)

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

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"

BIMETALLIC STEAM TRAPS►
TK-1A/ TK-1YA



Body
Cover
Strainer, Disc, Seat
Connection Types

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

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

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► TKK-2Y



Body and Cover
Strainer, Seat
Thermosatic 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► TKK-2N



Body and Cover
Strainer, Seat
Thermosatic 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► TKK-21



Body and Cover
Strainer, Seat
Thermosatic 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"	

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

THERMOSTATIC STEAM TRAPS► TKK-2YD



Body and Cover
Filter, Seat
Thermosatic Capsule
Check Valve
Max. Working Pressure
Max. Working Temperature

Forged Steel
Stainless Steel
Hastelloy
Stainless Steel
32 bar
250 °C

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

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)
Max. Operating Temperature (TMO)

16 bar
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"

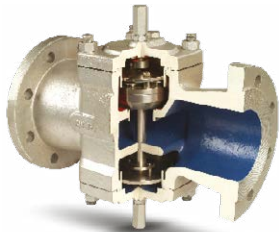
THERMOSTATIC STEAM TRAPS
TKK-41/42



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

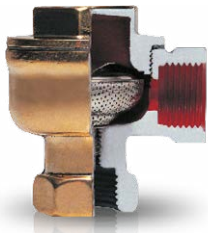
THERMOSTATIC STEAM TRAPS
TKK-3 WITH 3 CAPSULES



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"

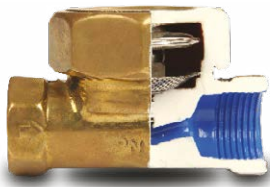
THERMOSTATIC AIR DRAINERS
TKK-11 AIR ELIMINATOR



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
TKK-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"	

STEAM TRAP TEST VALVE
KTV-10



Body Material	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 316
Body Gasket	PTFE
Ball Seat	R-PTFE (15%)
Connection Type	Threaded and Flanged
Nominal Pressure (PN)	0 bar
Max. Operating Temp.	-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"

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
Internal Parts
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

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

Max. Operating Temperature

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

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

Max. Operating Temperature

PILOT OPERATED PRESSURE REDUCERS► AGP-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
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)

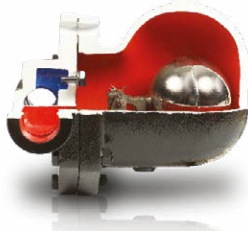
Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

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)

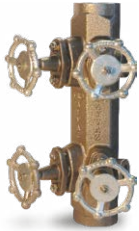
Ductile Iron GGG 40
Ductile Iron GGG 40
Stainless Steel AISI 304
Flanged and Threaded

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"

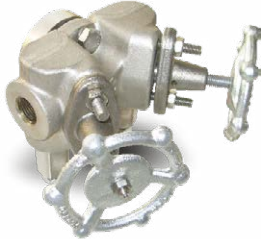
CONDENSATE CONNECTION MANIFOLDS► KT-13



Body	Carbon Steel C 22.8
Internals	Stainless Steel
Volan	Carbon Steel
Connections	Threaded/Socket
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	26 bar
Max. Operating Temperature (TMO)	250 °C
KV Valve	1.8 m³/s

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

PIPELINE CONNECTORS► BK-33 (TD-SK)



Body	Stainless Steel AISI 304
Seat and Disc	Stainless Steel AISI 420
Internals	Stainless Steel
Volan	Carbon Steel
Connections	Threaded/Socket
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	42 bar
Max. Operating Temp. (TMO)	315 °C

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

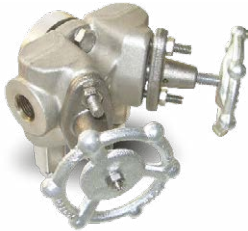
PIPELINE CONNECTORS► BK-33 SK (FLOAT TYPE)



Body and Cover	Stainless Steel AISI 304
Internals and Float	Stainless Steel AISI 304
Thermostatic Unit	Stainless Steel AISI 304
Volan	Carbon Steel
Connections	Threaded/Socket
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	32 bar
Max. Operating Temp. (TMO)	286 °C
Differential Pressure	4,5/10/14 bar

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

PIPELINE CONNECTORS► BK-33 TK (THERMOSTATIC)



Body and Cover	Stainless Steel AISI 304
Capsule	Stainless Steel
Internals	Stainless Steel
Volan	Carbon Steel
Connections	Threaded/Socket
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	32 bar
Max. Operating Temp. (TMO)	240 °C
Differential Pressure	21 bar

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

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



Body	Stainless Steel AISI 304
Bi-metallic Plates	Stainless Steel AISI 304
Internals	Stainless Steel AISI 304
Volan	Carbon Steel
Connections	Threaded/Socket
OPERATING CONDITIONS	
Max. Operating Pressure (PMO)	32 bar
Max. Operating Temp. (TMO)	315 °C
Differential Pressure	32 bar

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

PNEUMATIC CONTROL ON/OFF VALVES► PKV-50



Body Material	Stainless Steel AISI 316
Gasket	PTFE
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temp.	180 °C

DIMENSIONS
THREADED (mm)
1/2"
3/4"
1"
1¼"
1½"
2"

STEAM FLOW METER► AFM-10



Fluid
Sensitivity
Safety Class
Connections

Steam Water Air
+/- % 1
IP 67 / Exproof
Wafer Type / Flange

DIMENSIONS
FLANGED (mm)
50...300

OPERATING CONDITIONS
Max. Working Temperature (TMO)

Power Supply

4 - 20 MA output and Alarm
Setting Plus - Hart Protocol
12 - 32V

CONDENSATE PUMP SYSTEM► ACOP



OPERATING CONDITIONS
Steam Pressure Range
Air Pressure
Power Supply
Design Pressure
Design Temperature
Evacuation Capacity 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 Capacity 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

PLATE HEAT EXCHANGER



Plate Material	AISI 316 Stainless Steel, Titanium, Hastelloy
Connection Material	Carbon Steel,Stainless Steel, Plastic
Body Material	Carbon Steel, Stainless Steel
Max. Working Pressure	20 bar
Max. Working Temperature	210 °C
Connection	Threaded, Flanged, Welded End

SIGHT GLASS CONDENSATE CONTROL ▶ SG



Body and Cover	Cast Iron GG-25
Glass	Tempered Sodalime Glass
Internals	Stainless Steel AISI 304
Connections	Threaded and Flanged
Sealing Gaskets	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"

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

DIMENSIONS	Flanged
	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)
Pnuematic Actuator
Single Actuation (Standard, NC)
Spring Controlled
Solenoid Valve
Limit Switch
Double Actuation (Optional)

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

LEVEL REGULATORS ▶ A-1/2/2F



Body	Ductile Iron GGG 40
Float	Stainless Steel AISI 316L
Spindle	Stainless Steel AISI 304
Bellow	Stainless Steel AISI 316L
Connection	1" BSPT Threaded (A-2) / DN 25 Flanged
OPERATING CONDITIONS	
Pressure Class	(A-2F) PN 25

BOILER FEED WATER SYSTEM ▶ ON/OFF / PROPORTIONAL



Level Device	KP01 3R	Level Control Valve	1.0619+N Cast Iron
Body and Electrodes	Stainelss Steel	Body	Flanged
Case	Aluminum Injection	Connection	Ayvaz ADK-100
Injection Connection	3/4" BSP Threaded	Controller	Proportional Level Controller
OPERATING CONDITIONS		OPERATING CONDITIONS	
Max. Working Pressure	238 bar	Max. Working Pressure	PN 40
Max. Working Temp.	32 °C	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	Stainless Steel
Serpentine	1/2" AISI 316 L Stainless Steel
Connection	3"
OPERATING CONDITIONS	
Serpentine Nominal Pressure	PN 40
Cold Water Input-Output	1/2"
Body Nominal Pressure	PN 16

MAGNETIC LEVEL GAUGES► **MGK-33**



Body	Stainless Steel AISI 304 (opt. AISI 316)
Float	Stainless Steel AISI 316L
Magnetic Disc	Aluminium
Flange Material	Carbon Steel St. 37.2 / Stainless Steel (Optional)
Connections	Flange, BSP or NPT Threaded, Sleeve
Max. Operating Pressure	25 bar (Optional 40 bar)
Max. Permissible Temperature	200°C
Contact Signal	Yes
Drain Plug	1/2"

DIMENSIONS	
(Flanged) PN 16	DN15
	DN20
	DN25
	DN32
	DN40
	DN50
Length (mm)	300 - 6000 (+)

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



Body	Cast Iron GG-25
Frame	A105
Drain Plug and Liquid main Body	Cast Iron GG-25
Connections	Flange
Max. Operating Pressure	16 bar/40 bar
Max. Operating Temperature	250°C

DIMENSIONS	
(Flanged) PN 16, PN 40	DN20 - DN25
Length (mm)	300 - 3000

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



Box Panel	Aluminium Injection
Body	Stainless Steel 1.4517
Flange	Forged Steel 1.0460
Electrodes	Stainless Steel 1.4517
Electrode Insulation	PTFE
Intermediate Disc	PTFE
Connections	Flanged and threaded
Max. Operating Pressure	32 bar
Max. Operating Temperature	238°C
Control Type	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	Stainless Steel 1.4517
Box Panel	Aluminium Injection
Flange	Forged Steel 1.0460
Electrodes	Stainless Steel 1.4517
Electrode Insulation	PTFE
Intermediate Disc	PTFE
Connections	Flanged and threaded
Analog Output	4-20 mA or (0-10V)
Max. Operating Pressure	32 bar
Max. Operating Temperature	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	AISI 304 Stainless Steel
Seat	AISI 304 Stainless Steel
Disc	AISI 304 Stainless Steel
Spring	AISI 304 Stainless Steel
Stem	AISI 304 Stainless Steel
Max. Working Temperature	-20°C / 180 °C
Pressure Class	PN 25
Adjustable Pressure	2 - 10,5 / 10,5 - 20 Bar

BELLOW SEAL VALVES► **MK-16/25/40**



Body
Seat
Disc
Connection
Max. Working Temp.
Max. Working Pressure

MK-16
Grey Cast Iron
X12Cr13
X12Cr13
Flanged
200°C
16 Bar

MK-25
Nodular Cast Iron
AISI 304 Stainless Steel
AISI 304 Stainless Steel
Flanged
250°C
25 Bar

MK-40
Cast Steel
AISI 316 Stainless Steel
AISI 316 Stainless Steel
Flanged
300°C
40 Bar

GLOBE VALVES► **GV-16K/25Z/40K**



Body
Seat
Disc
Connection
Max. Working Temp.
Max. Working Pressure

GV-16K
GG-25 Cast Iron
AISI 420 Stainless Steel
AISI 420 Stainless Steel
Flanged
300°C
16 bar

GV-25Z
GGG 40.3 Ductile Iron
AISI 420 Stainless Steel
AISI 420 Stainless Steel
Flanged
350°C
25 bar

GV-40K
GSC-25 Cast Steel
13 Cr Stainless Steel
Stainless Steel AISI 304
Flanged
4500°C
40 bar

LIFT TYPE CHECK VALVES► **CLV-50**



Body
Inner Parts
Connection
Max. Working Temp.
Max. Working Pressure

GG-25 Cast Iron
Stainless Steel
Flanged
300 °C
16 Bar

WAFER TYPE DISCO CHECK VALVES► **CV-10**



Body
Disc
Spring
Segment
Max. Working Pressure
Max. Working Temp.

CV - 10P
MS58 BRASS
AISI 304 Stainless Steel
AISI 304 Stainless Steel
AISI 304 Stainless Steel
16 Bar
250 °C

CV - 10 S1
AISI 304 Stainless Steel
Stainless Steel
Stainless Steel
Stainless Steel
40 Bar
300 °C

CV - 10 S2
AISI 316 Stainless Steel
Stainless Steel
Stainless Steel
Stainless Steel
40 Bar
300 °C

STRAINERS► **PTY-30 / PTY-40**



PTY-30
Body and Cover
Filter
Gasket
Max. Working Temp.
Max. Working Pressure

GGG 40.3 Ductile Iron
AISI 304 Stainless Steel
Graphite
200 °C
16 Bar

PTY-40
Body
Cover
Filter
Gasket
Max. Working Temp.
Max. Working Pressure

GGG 40
GGG 40
AISI 304 Stainless Steel
Graphite
200 °C
16 Bar

FOR LIQUIDS STRAINER► **YS-800**



Body
Cover
Connection
Working Temp.
Max. Working Pressure

AISI 304 / 316 Stainless Steel
AISI 304 / 316 Stainless Steel
Threaded
-25°C / 180 °C
40 Bar



**HEAD OFFICE**

Atatürk Sanayi Bölgesi
Mustafa İnan Caddesi No: 44 Arnavutköy - İSTANBUL
Tel : +90 212 771 01 45 (pbx) | info@ayvaz.com

MAIN FACTORY

Hadımköy Mahallesi
Arnavutköy - İSTANBUL
Tel : +90 212 771 47 27 | Fax: +90 212 771 47 27
www.ayvaz.com



Cona
Caserta / Italy

Tel : +39 0823 187 3988
rmolaro@ayvaz.com



Ayvaz Ukraine
Kiev / Ukraine

Tel : +380 44 390 57 57
info@ayvaz.com.ua



Tricorr
Warsaw / Poland
Tel : +48-32-783-295-1
tricorr@tricorr.eu



Ayvaz Germany
Viernheim / Germany
Tel : +49 62046014399
germany@ayvaz.com



Ayvaz Serbia
Belgrade / Serbia
Tel : +381 61 658 70 52
yakbiyik@ayvaz.com



Ayvaz Azerbaijan
Baku / Azerbaijan
Tel : +99(455)579-84-32
ahayatov@ayvaz.com



Ayvaz Kazakhstan LLP
Almaty / Kazakhstan
Tel : +7 (727) 327 97 57
www.ayvaz.kz



Ayvaz N
Isperih / Bulgaria
Tel : +359 8431 27 32
office@ayvaz-n.eu



Ayvaz Vietnam
HCMC / Vietnam
Tel : +84 89 8508345
ggursoy@ayvaz.com



Ayvaz China
Ningbo / China
Tel : +86 152 5830 7361
msahin@ayvaz.com



Ayvaz Egypt
Cairo / Egypt
Tel : +20 122 819 78 29
andrew.eid@ayvaz.com



Ayvaz Gulf
Dubai / U.A.E.
Tel : +971 563550822
+971 501306871
mideast@ayvaz.com



Ayvaz Americas
Rhode Island
Tel : +1 401 737 8380
americas@ayvaz.com