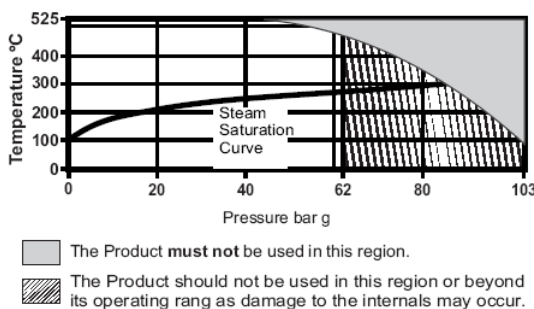




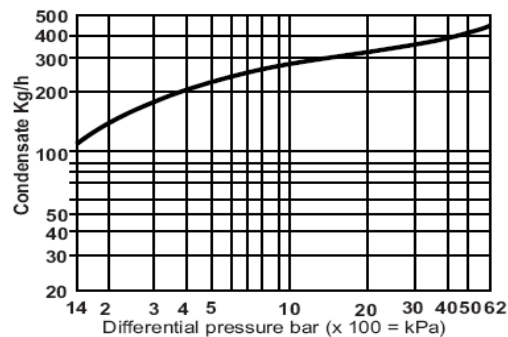
The UCM-UTD62 is a *UKL Steam Trap Module* designed with an in-built Bypass valve & isolation valves for high pressure steam applications up to 62 bar(g). Replaceable trap internals and inbuilt strainer eases inline maintenance.

The UTD-62 has upstream piston valve which isolates the upstream piping of the steam trap. Also UCM-UTD62 has a downstream piston valve that helps isolate the module from downstream piping and to check the trap condition a Trap Test valve is also provided.

### Pressure / Temperature Limits



### Capacities:



### End Connections:

- 15 NB Socket Weld End Connection.
- 20 NB Socket Weld End Connection.

### Limiting Conditions:

- Max. Design Pressure 103 bar g @93 C
- Max. Design Temperature 525 C@42.7bar g
- Max. Operating Pressure 62 bar g @482 C
- Max. Operating Temperature 525 C@42.7bar g
- Max. Operating Back Pressure – 80% of upstream pressure.

Cold Hydraulic test pressure 155 bar g

### Maintenance:

#### To clean or replace strainer screen

Strainer screen can be removed for cleaning by removing strainer cap. Remove strainer screen, clean properly and fit new or cleaned strainer screen into recess of the cap. A old gasket should be replaced with new one and the cap screwed into the body. The use of a thread lubricant is recommended.

#### To replace the cover studs

After removing old cover studs, fit new cover studs until the studs move to bottom face of body flange. The use of a thread lock (High temperature grade) is recommended.

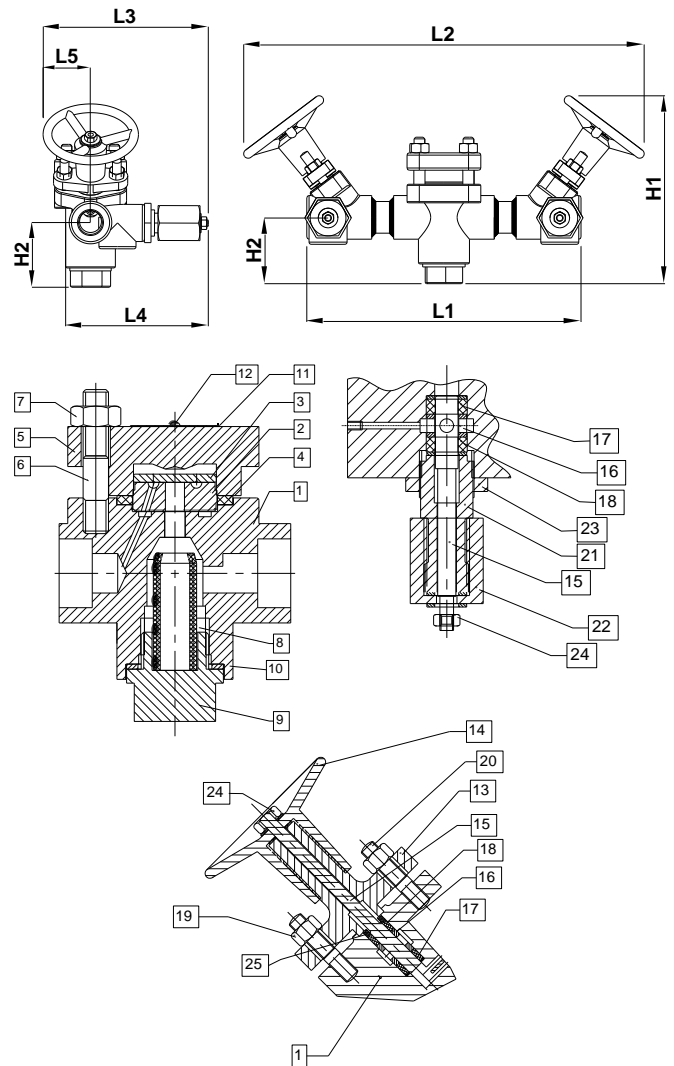
#### Bypass Valve & Trap Test Valve Maintenance

Lubricate valve frequently with appropriate lubricant. Lubricate the stem piston & bonnet threading of drain valves. Operate the valves after lubrication.

### Installation:

1. The UCM-UTD62 is installed with flow in the direction of the arrow. Installation to be in horizontal direction.
2. There should be sufficient access to the hand-wheel for proper operation of both upstream and downstream isolation valves.
3. There should be sufficient access to the strainer to allow Strainer to be cleaned periodically.
4. There should be sufficient access for Bypass Valve and Trap Test valve to operate.
5. Ensure all the valves are either fully opened or fully closed. Do not keep partially open/ crack open.
6. Hot Tightening should be done after operating the module for approximate 5-6 hrs.

BILL OF MATERIAL			
PART NO.	PART NAME	MATERIAL	MATERIAL CODE
1	BODY	ALLOY STEEL	ASTM A 217 Gr. WC6
2	SEAT	TOOL STEEL	ASTM A 681 Gr. D2
3	DISC	TOOL STEEL	ASTM A 681 Gr. D2
4	GASKET	SPIRAL WOUND	SPIRAL WOUND AISI 304 WITH GRAPHITE FILLER
5	TOP COVER	ALLOY STEEL	ASTM A 217 Gr. WC6
6	STUDS	STAINLESS STEEL	ASTM A 193 Gr.B16
7	NUTS	STAINLESS STEEL	ASTM A 194 Gr.8M
8	FILTER	STAINLESS STEEL	AISI 304
9	FILTER CAP	ALLOY STEEL	ASTM A 217 Gr. WC6
10	GASKET FOR F.CAP	KLINGER STD.	GPRAPHITE
11	NAME PLATE M2 X 6L	STAINLESS STEEL	AISI 304
12	RIVET M	ALUMINIUM	-
13	BONNET	ALLOY STEEL	ASTM A 216 Gr. WCB
14	HANDWHEEL	CAST STEEL	ASTM A 216 Gr. WCB
15	SPINDL (INTEGRAL PISTON)	STAINLESS STEEL	ASTM A 276 Gr. TP. 410
16	LANTERN BUSH	STAINLESS STEEL	ASTM A 276 Gr. TP. 410
17	LOWER VALVE RING	KLINGER STD.	RE-ENFORCED LAMINAR GRAPHITE
18	UPPER VALVE RING	KLINGER STD.	RE-ENFORCED LAMINAR GRAPHITE
19	BONNET NUT M8	ALLOY STEEL	ASTM A 194 Gr. 2H
20	STUD	CARBON STEEL	ASTM A 193 Gr. B7
21	BOTTOM BONNET	S. S.	ASTM A 276 TP-410
22	BOTTOM HANDWHEEL	FORGED STEEL	ASTM A 105N
23	LOCK NUT	FORGED STEEL	ASTM A 105N
24	HANDWHEEL NUT	STAINLESS STEEL	AISI 316
25	BELLEVILLE WASHER	SPRING STEEL	50 Cr. V4 / ASTM A 240 Gr. 302



Dimensions in mm (Valves – Close Condition )							
SIZE	L1	L2	L3	L4	H1	H2	WEIGHT (Approx.) Kg.
15NB	320	420	151	130	170	60	6
20NB	320	420	151	130	170	60	6

Dimensions in mm (Valves - Open Condition)							
SIZE	L1	L2	L3	L4	H1	H2	WEIGHT (Approx.) Kg.
15NB	320	436	182	152	182	60	6
20NB	320	436	182	152	182	60	6

**Other Products :**



Cast / Forged Steel Piston Valves, Strainers – “Y” Type  
 Steam Traps – Thermodynamic, Thermostatic, Ball Float Traps, Pressure Reducing Station, Condensate Recovery Products.  
 Level Gauges – Reflex, Transparent, Bicolor.

**FSD Products :** Compressed Asbestos / Non Asbestos Fiber Sheeting / Cut Gaskets, Spiral Wound Gaskets.

In view of technical progress designs and dimensions are subject to change without notice.



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