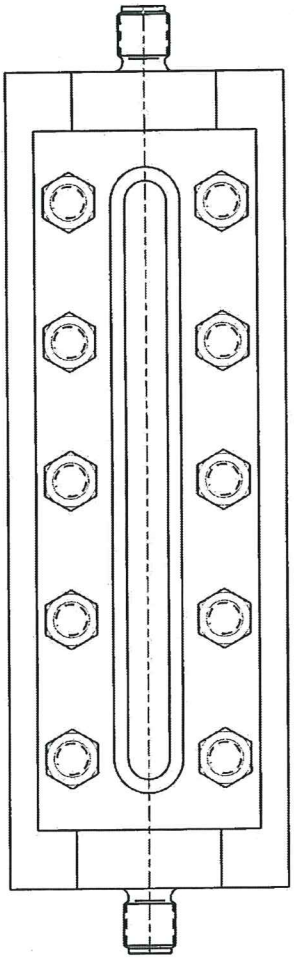
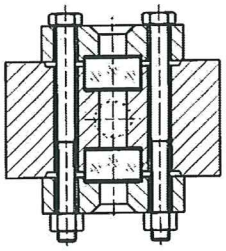
KLINGER	KLINGER wT 3189/11
INSTRUCTIONS FOR INSTALLATION AND OPERATION OF TRANSPARENT LEVEL GAUGES TYPE T 85	Pagina 1 di 3

T 85





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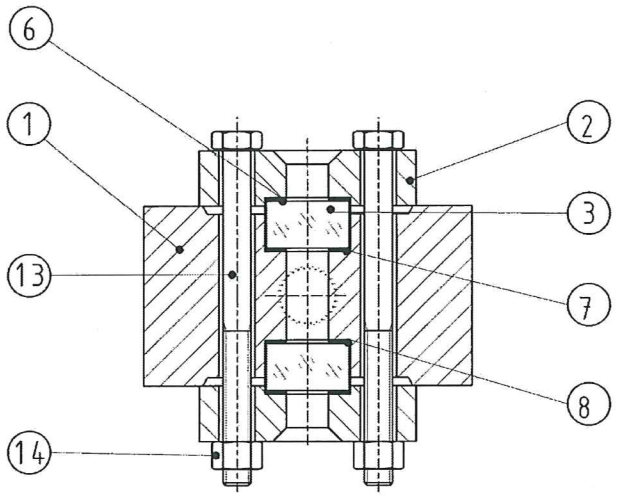
OPERATION AND MAINTENANCE



1	**Centre-piece**	**7**	**Sealing gasket**
2	**Cover plate**	**13**	**Screwed bolt**
3	**Transparent glass**	**14**	**Hexagon nut**
6	**Cushion gasket**	**8**	**Mica shield**

After commissioning (also after replacement of stuffing-box packing or glass) the hexagon nuts (14) should be re-tightened with a torque wrench starting from the centre of the gauge and working outwards.

Assembly torque: 100 Nm

Leakages which arise during service should be stopped by re-tightening at the appropriate point.

The following point should be carefully observed:

if a gauge is retightened in service, it should first be pressure-relieved and cooled an only then be re-tightened with a torque wrench.

The service life of the micas and transparent glasses can be favourably influenced by correct blow-down procedure. This should be done as follows:

shut upper gauge valve and open drain valve, thereby briefly blowing-though the lower gauge valve. This draws the water out of the gauge body without completely pressure-relieving the inner chamber. After shutting the drain valve the water in the gauge body is pressed upwards.

The opening and shutting of the drain valve should be repeated several times so that the water level in the gauge moves upwards and downwards and in this way cleans the gauges of deposits.

After closing the upper and lower gauge valves the gauge body can be completely emptied of water by opening the drain valve.

Cleaning the bore of upper gauge valve: after fully emptying the gauge as decribed above, shut the drain valve and open upper gauge valve.

This procedure ensures the best possible protection of the mica shields, which are subjected to severe stresses by the steam pressure and solid deposits, and thereby increases their service life.

ASSEMBLY:

- Place sealing gasket (7), mica (8), transparent glass (3) and cushion gasket in centre-piece (1).
- Place cover-plate on top.
- Insert screwed bolt (13), assemble second side in the same sequence.
- Screw on hexagon nuts (14) and tighten uniformly, working at opposite sides alternately, starting from centre.
- Torque 100 Nm
- Mounting on boiler: wT 3181/11

STORAGE

In accordance with DIN 3230, sheet 1, gauges should be stored in enclosed rooms in a non-aggressive atmosphere and be protected against dampness and dirt.

Replacemente parts – glasses, gaskets, packing sleeves – must be stored in dry, cool rooms.

KLINGER	INDICATORI DI LIVELLO A TRASPARENZA / TRANSPARENT LEVEL GAUGES	TABELLA USO INTERNO INSIDE TABLE	DIS./DRAW. LG/056/A	REV. 2	DIS./DRAWN.	APP./APPROVED

mod. T 50

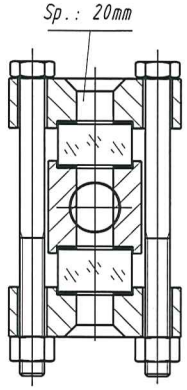
Petrolchimica/process (DG-RAV):

P. max	T. max
PN50/ANSI300	400°C

Vapore/steam (D):

P. max	T. max
15 bar	202°C

Prova idr./hydr. test:
75 bar
Cristallo/glass: Tipo B
Viti/bolts: M12x125
Serraggio/torque: 50 Nm



mod. T 100

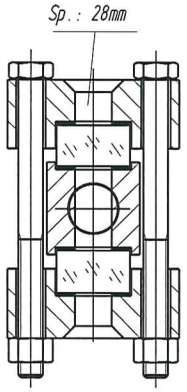
Petrolchimica/process (DG-RAV):

P. max	T. max
PN100/ANSI600	400°C

Vapore/steam (D):

P. max	T. max
30 bar	235°C

Prova idr./hydr. test:
160 bar
Cristallo/glass: Tipo B
Viti/bolts: M12x125
Serraggio/torque: 55 Nm



mod. T 160 - T 160 XS

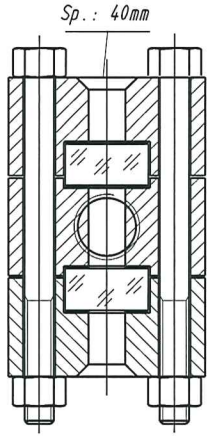
Petrolchimica/process (DG-RAV):

P. max	T. max
PN160/ANSI900	400°C

Vapore/steam (D-DA):

P. max	T. max
40 bar	252°C

Prova idr./hydr. test:
240 bar
Cristallo/glass: Tipo B
Viti/bolts: M12x140
Serraggio/torque: 65 Nm

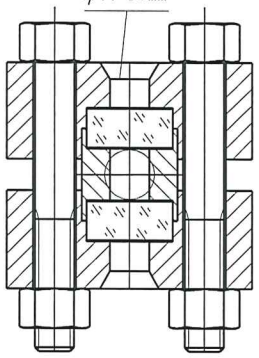


mod. T 250

Petrolchimica/process (RAV):

P. max	T. max
PN250/ANSI1500	400°C

Prova idr./hydr. test:
380 bar
Cristallo/glass: Tipo B
Viti/bolts: M16x120
Serraggio/torque: 100 Nm

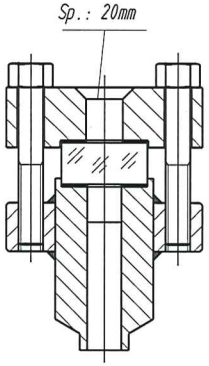


mod. UST

Petrolchimica/process:

P. max	T. max
PN100/ANSI600	400°C

Prova idr./hydr. test: 150 bar
da cliente/by customer
Cristallo trasparente tipo B
transparent glass type B
Viti/bolts: M10x65
Serraggio/torque: 40 Nm

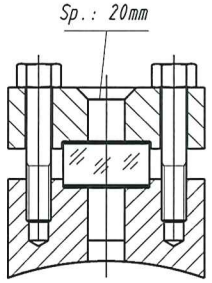


mod. UWT

Petrolchimica/process:

P. max	T. max
PN100/ANSI600	400°C

Prova idr./hydr. test: 150 bar
da cliente/by customer
Cristallo trasparente tipo B
trasparent glass type B
Viti/bolts: M12x55
Serraggio/torque: 50 Nm
UWT-A:PN 50 _ Pr HYDR=75 bar

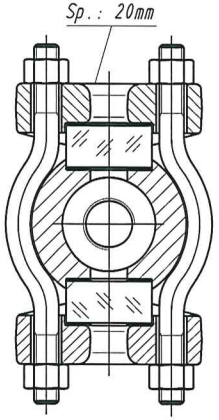


mod. UOT

Petrolchimica/process (DG-RAV):

P. max	T. max
PN50/ANSI300	400°C

Prova idr./hydr. test:
75 bar
Cristallo/glass: Tipo B
Tiranti/bolts: M10
Serraggio/torque: 40 Nm

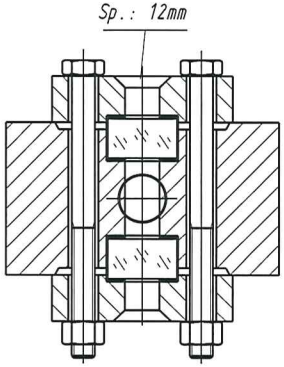


mod. T 85

Vapore/steam (DA):

P. max	T. max
85 bar	298°C

Prova idr./hydr. test:
180 bar
Cristallo con Mica: tipo B
Glass with Mica: type B
Guarn. grafite/graph. gasket
Viti/bolts T85: M16x100
Serraggio/torque: 100 Nm



mod. TA 120

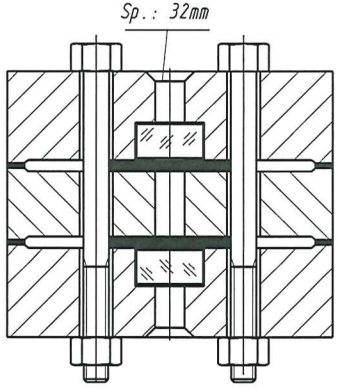
Vapore/steam (DA):

P. max	T. max
85 bar	298°C

Vapore/steam (DVK2):

P. max	T. max
120 bar	323°C

Prova idr./hydr. test:
375 bar
Cristallo/glass: TA28
Viti/bolts: M24x110
Serraggio/torque: 300 Nm ◇



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