

Description

UNA 25-PK:

Ball-float operated steam trap with pumping function. The equipment works primarily as a steam trap. The integral automatic pump function ensures efficient condensate discharge even if the steam pressure is low or the back pressure high.

UNA 25-PS:

Float-operated condensate lifter, designed for effective return of condensate. Steam is used as motive power to displace condensate out of the body.

Features

- Integrated inlet and outlet check valves.
- Rolling ball valve (UNA 25-PK) for tight shut-off even with low condensate flowrates.
- Float-controlled compact changeover unit for controlling motive steam and deaeration.

Specification

Type	PN / Class	Material		Pressure/Temperature ¹⁾				p/T	
		EN	ASTM ²⁾	PMA [bar]	TMA [°C]	PMO [bar]	PMOB [bar]	[bar/°C]	[bar/°C]
UNA 25-PK	PN 40	5.3103	–	40.0	350	6.0 / 13.0	3.0 / 5.0	31.6 / 250	25.0 / 350
UNA 25-PK	Class 150	5.3103	A 395	17.2	350	6.0 / 13.0	3.0 / 5.0	12.1 / 250	6.6 / 350
UNA 25-PS	PN 40	5.3103	–	40.0	350	13.0	5.0	31.6 / 250	25.0 / 350
UNA 25-PS	Class 150	5.3103	A 395	17.2	350	13.0	5.0	12.1 / 250	6.6 / 350

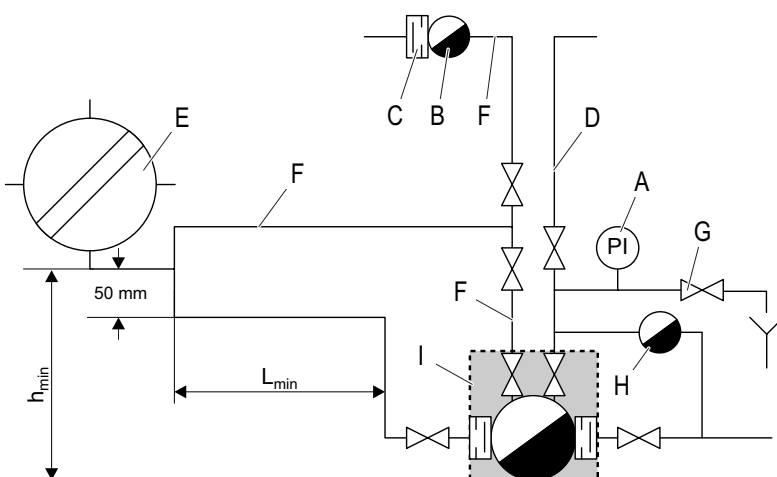
¹⁾ Limits for body/cover. Functional requirements may restrict the use to below the limits quoted.

For full details on limiting conditions depending on end connection and type of regulator see data sheet.

²⁾ ASTM nearest equivalent is stated for guidance. Physical and chemical properties comply with EN.

Available Connections and Lengths

Type	Connection	Length L in mm DN 40 [1½"]
UNA 25-PK UNA 25-PS	Flanged EN PN 40	230
	Flanged ASME 150	227
	Screwed G or NPT	227



Key

- A Pressure gauge
 - B Thermostatic steam trap for air venting, e. g. MK
 - C Optional non-return valve in order to prevent air from entering if a vacuum is formed.
 - D Motive steam line (drained, DN 15)
 - E Heat exchanger
 - F Vent line, DN 15
 - G Pressure compensation valve
 - H Thermostatic steam trap for draining motive steam line, e. g. BK
 - I UNA 25-PK/UNA 25-PS
- L_{min} 2.5 m, DN 40
 h_{min} 0.5 m

Important Notes

The equipment must be hooked up to the pipes as shown in the graphical representation.

Please take the following items into consideration:

- ▶ A motive steam line must be available and connected (connection: female thread, G½)
- ▶ A vent line must be available and connected (connection: female thread, G½)
- ▶ Minimum filling head required between condensate outlet of the heat exchanger and the bottom of the equipment: 0.5 m.
- ▶ An inlet line (min. length 2.5 m) or buffer reservoir (volume: 3 l) is required.
- ▶ Maximum motive steam pressure, depending on design, is 6 or 13 barg.