PTLH0FT | PTLHEFT – DRUVA®TEC POINT OF USE

POINT OF USE | TEC LINE (BRASS BLANC) | 20 m³ SERIES | HIGH PRESSURE VERSION | SINGLE STAGE

Wall tapping point for supply systems for industrial, inert, flammable, oxidising gases and gas mixtures. It cannot be used for corrosive and/or toxic gases and their mixtures.



Tapping point with relief valve

TECHNICAL SPECIFICATION

- Basic components are pre-shut-off valve, pressure reducer, back pressure gauge, mounting plate, optional check valve and/or relief valve.
- Diaphragm shut-off valve with 90° closing function at inlet of point of use
- 4-port pressure regulator with stainless steel diaphragm
- Safety pressure gauge according to EN 837-1 in the downstream pressure area of the pressure regulator
- No electrostatic charge (can be used in EX zones 1 and 2)
- Compact design
- Excellent pressure adjustment

TECHNICAL DATA	
Operating temperature:	-20 °C to +60 °C
Inlet pressure:	max. 50 bar or max. 300 bar
Material gas wetted parts	
Body material:	Brass
Regulator / valve diaphragm:	Hastelloy / Elgiloy
Regulator seal:	PVDF
Regulator seat:	PCTFE for inlet pressure > 50 bar PTFE for inlet pressure ≤ 50 bar
Valve seat:	PCTFE
Regulator and valve poppet:	Brass
Relief valve seat:	PTLH0FT-Version: FKM PTLHEFT-Version: EPDM
Filter:	Regulator: Stainless Steel Valve: Stainless Steel Check valve: Sintered Bronze
Weight	2,37 kg
Material mounting plate:	Aluminium
Process inlet:	NPT ¼“ internal thread or adapter with double compression fitting
Process outlet:	NPT ¼“ internal thread or adapter with double compression fitting / hose nozzle
Optional outlet relief valve	NPT ¼“ internal thread or adapter with double compression fitting
Outlet pressure adjustable up to:	2 bar (only for inlet pressure 50 bar) I 3 bar I 4 bar I 6 bar I 10 bar I 14 bar I 28 bar I 50 bar I 100 I 200 bar
Pressure gauge scale ranges (in parentheses assignment to outlet pressure):	2,5 bar (2 bar) I 5 bar (3 bar) I 10 bar (4 und 6 bar) I 18 bar (10 bar) I 25 bar (14 bar) I 40 bar (28 bar) I 80 bar (50 bar) I 160 bar (100 bar) I 315 bar (200 bar)
Optional opening pressure relief valve:	3,1 bar (2 bar) I 4,6 bar (3 bar) I 6,2 bar (4 bar) I 9,2 bar (6 bar) I 15,4 bar (10 bar) I 21,6 bar (14 bar) I 43,1 bar (28 bar) I 65 bar (50 bar) I 140 bar (100 bar) I 260 bar (200 bar)
For detailed information on tests and approvals during development and production of our TEC/PUR series see **DATA-SpecGeneral-EN**.	
For flow curves see **DATA-FlowCurves-EN**.	



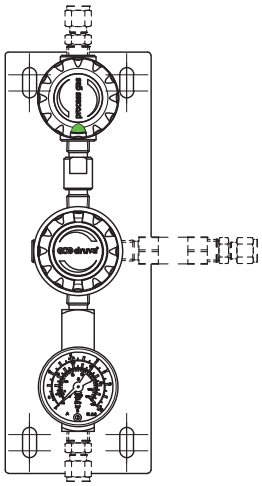
Tapping point without relief valve

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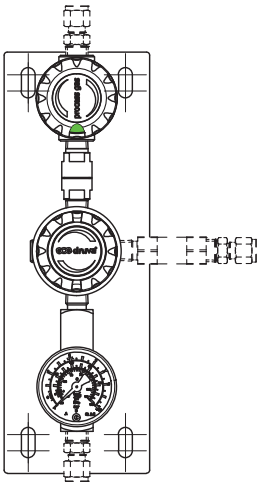
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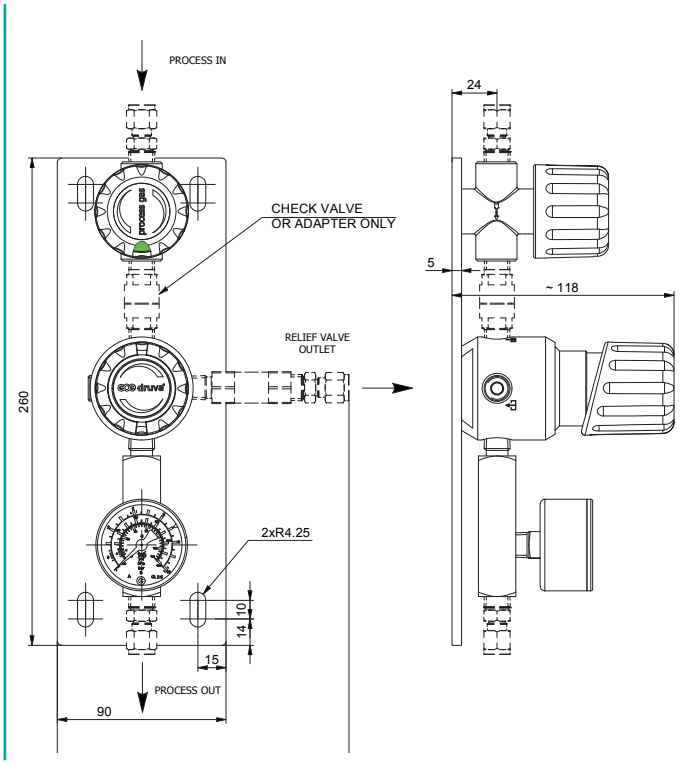
TECHNICAL DRAWING – SPECIALS & DIMENSIONS

SPECIAL 0
only adapter



Special C
with check valve





LIST OF POSSIBLE CONNECTIONS

N14F - NPT1/4˝ female
M03B - Compression fitting ø 3 MM Brass
(not suitable for relief valve)
M06B - Compression fitting ø 6 MM Brass
M08B - Compression fitting ø 8 MM Brass
M10B - Compression fitting ø 10 MM Brass
M12B - Fitting ø 12 MM Brass
M03S - Compression fitting ø 3 MM SST
(not suitable for relief valve)

M06S - Compression fitting ø 6 MM SST
M08S - Compression fitting ø 8 MM SST
M10S - Compression fitting ø 10 MM SST
M12S - Compression fitting ø 12 MM SST
IX2B - Compression fitting ø 1/8“ Brass
IX4B - Compression fitting ø 1/4“ Brass
IX6B - Compression fitting ø 3/8“ Brass
IX8B - Compression fitting ø 1/2“ Brass
IX2S - Compression fitting ø 1/8“ SST

IX4S - Compression fitting ø 1/4“ SST
IX6S - Compression fitting ø 3/8“ SST
IX8S - Compression fitting ø 1/2“ SST
H04B - Hose nozzle 4,8 mm Brass *
H06B - Hose nozzle 6,4 mm Brass *
H08B - Hose nozzle 8,0 mm Brass *
H04S - Hose nozzle 4,8 mm SST *
H06S - Hose nozzle 6,4 mm SST *
H08S - Hose nozzle 8,0 mm SST *

* *Hose nozzles are not suitable as inlet and relief valve connections. The use of brass connections depends on size and pressure. Pay attention to the max. approved pressure in your pipework. Hose nozzles can be used up to max. 15 bar.*

ORDER INFORMATION

Example for a point of use | TEC Line | Brass | 20 m³ Series | High pressure version | Single stage

PTLH0FT PTLHEFT	C	GX	C2	00	BT	N14F	N14F	RV	M06B
	Specials	**Inlet pressure**	**Outlet pressure**	**Inlet gauge**	**Outlet gauge**	**Inlet connection ****	**Oulet connection ****	**Safety device**	**Connection ** relief valve**
	0 without	EX 50 bar	AX 2 bar nur für P1=50 bar	00 without Port F	BT Bourdon Tube Gauge	N14F NPT 1/4” female	N14F NPT 1/4” female	01 without	0001 without relief valve (plugged)
	C Check valve	GX 300 bar	BX 3 bar			M03B Compression fitting 3 mm Brass	M03B Compression fitting 3 mm Brass	RV Relief valve	M06B Compression fitting 6 mm Brass
			C2 4 bar						
			CX 6 bar						
			D2 10 bar						
			DX 14 bar						
			EY 28 bar						
			EX 50 bar						
			F2 100 bar						
			FX 200 bar						

*** Possible further connections can be found in the list above, please note the rules regarding hose nozzles*
Order code (as described above) without special characters or spaces! Complete Order Code: PTLH0FTCGXC200BTN14FN14FRVM06B

Link to online product configurator