PTALEFT – DRUVA®TEC POINT OF USE

POINT OF USE | TEC LINE (BRASS BLANC) | 1 m³ SERIES | LOW 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:	12 bar
Nominal flow:	1 Nm^3/h (N_2)
Material gas wetted parts	
Body material:	Brass
Regulator seal:	PVDF
Regulator / valve seat:	EPDM
Check valve seat:	Ceramic/Brass
Regulator and valve poppet:	Brass
Regulator and valve diaphragm:	Hastelloy / Elgiloy
Filter:	Regulator: Stainless Steel 10 µm/100 µm Valve: Stainless Steel 100µm Check valve: Sintered Bronze
Weight	2,63 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:	1 bar | 1,5 bar | 2 bar
Pressure gauge scale ranges (in parentheses assignment to outlet pressure):	1,5 bar (1 bar) | 2,5 bar (2 bar) | 5 bar (2 bar)
Optional opening pressure relief valve:	1,5 bar (1 bar) | 2,3 bar (1,5 bar) | 3,1 bar (2 bar)
Optional opening pressure check valve:	0,3 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.**	

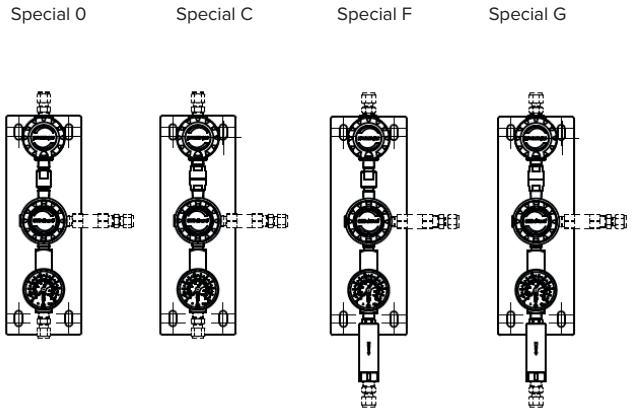


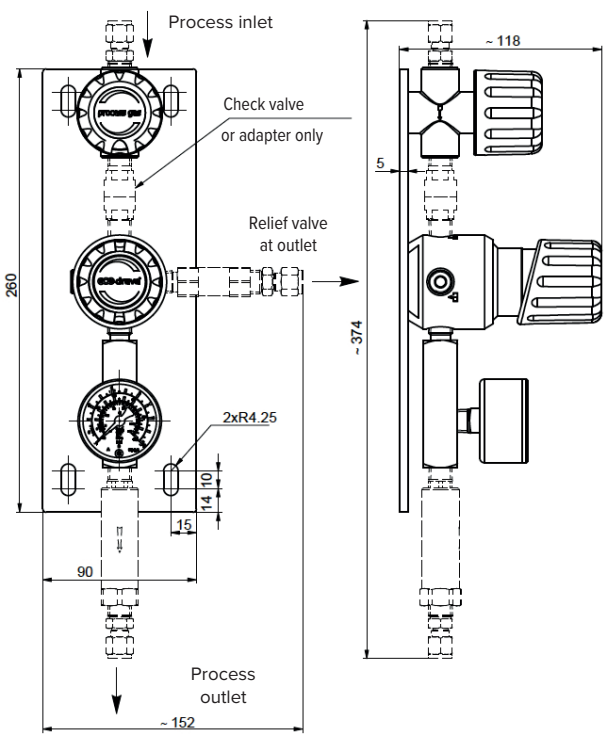
Tapping point without relief valve

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TECHNICAL DRAWING – SPECIALS & DIMENSIONS





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.*

ORDERING INFORMATION

Example for a point of use | TEC Line | Brass | 1 m³ Series | Low pressure version | Single stage

PTALEFT	C	D1	AY	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	D1 12 bar	AY 1 bar	00 without Port F	BT Bourdon Tube Gauge	N14F NPT 1/4” female	N14F NPT 1/4” female	00 without	0001 without relief valve (plugged)
	C Check valve		A1 1,5 bar			M03B Compression fitting 3 mm Brass	M03B Compression fitting 3 mm Brass	01 without (plugged)	M06B Compression fitting 6 mm Brass
	F Safety device flammable		AX 2 bar					RV Relief valve	
	G Check valve & safety device flammable								
	N Safety device Oxy / Air								
	P Check valve & safety device Oxy / Air								

*** 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: PTALEFTCD1AY00BTN14FN14FRVM06B

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Link to online product configurator