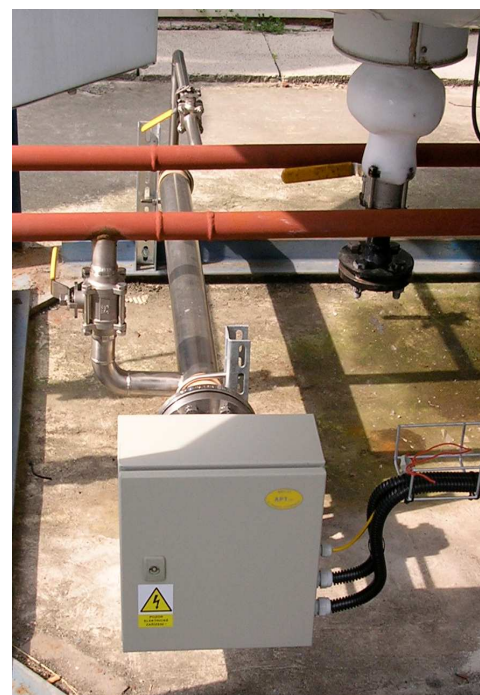


Pressure build-up vaporizers for CO₂ or N₂O storage tanks.

- normally supplied components:
 - heating element with terminal box
 - power supply and control box
 - pressure switch
- options
 - pressure housing
 - installation set
- precise electronic control of set pressure with adjustable hysteresis
- adjustable low and high alarm pressure limits



Built-in heating element

Type	EHP40	EHP80	EHP160	EHP300	EHP500
Nominal el. power	4 kW	8 kW	16 kW	30 kW	50 kW
MAWP	40 bar	40 bar	40 bar	25 bar	25 bar
Working temperature	-50 / +50 °C	-50 / +50 °C	-50 / +50 °C	-50 / +50 °C	-50 / +50 °C
Connections	DN50/PN40 DIN 2527B	DN65/PN40 DIN 2527B	DN100/PN40 DIN 2527B	DN150/PN40 DIN 2527B	DN150/PN40 DIN 2527B
Dimensions approx.	300 x 300 x 1150 mm	300 x 300 x 1150 mm	300 x 300 x 1150 mm	300 x 300 x 1150 mm	300 x 300 x 1750 mm
Power supply	3 x 230 / 400 V, 50 Hz, TN – S				
Protection Class	IP54	IP54	IP54	IP54	IP54



Heating element terminals

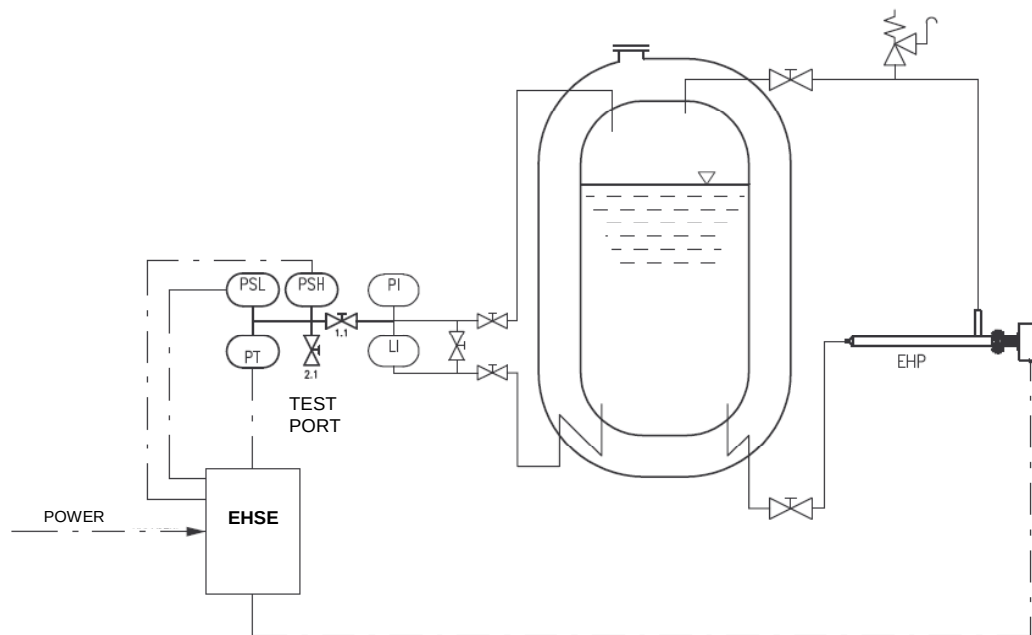


Pressure switch



EHP flowrate in kg/hr CO ₂						
pres.	temp.	Vaporizer power				
barg	°C	4 kW	8 kW	16 kW	30 kW	50 kW
5	-52.9	42	84	167	314	523
10	-37.2	45	90	180	338	563
15	-26.2	48	96	192	361	601
20	-17.6	51	103	205	384	641
25	-10.4	55	109	219	410	684

Max. withdrawal from a tank equipped with EHP vaporizer at constant pressure in kg/hr CO ₂					
pres.	Vaporizer power				
barg	4 kW	8 kW	16 kW	30 kW	50 kW
5	3 044	6 088	12 176	22 829	38 049
10	1 707	3 413	6 826	12 799	21 332
15	1 181	2 361	4 722	8 855	14 758
20	896	1 793	3 585	6 722	11 203
25	717	1 434	2 867	5 376	8 960



EHP typical layout

Note: The EHP heaters are not provided with any safety valves, and shall be protected from overpressure by the safety devices in associated piping.



APT, Ltd.
Podebradska 470/62
CZ-194 00 Prague
Czech Republic

tel.: +420 281 862 111
fax: +420 281 864 008
e-mail: info@apt.cz
web: www.apt.cz