

APPLICATION

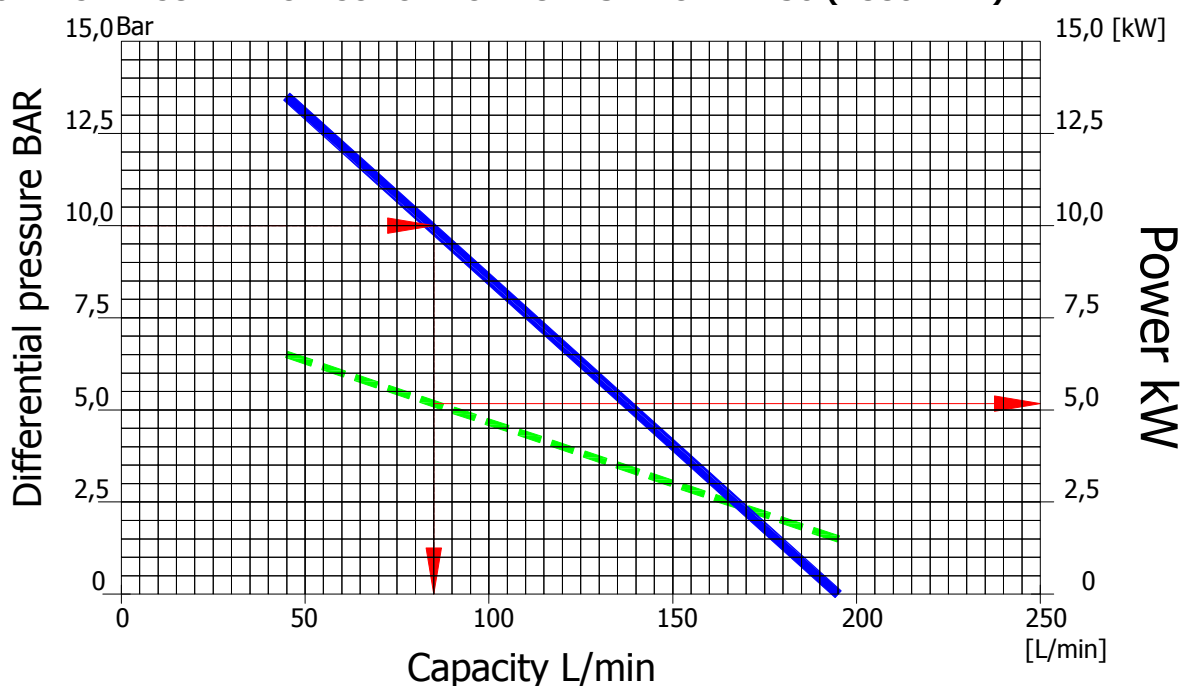
ZP150 pump units consist of following elements:
 Corken pump – type FD150 or DLD150, electric motor 4 kW or 5,5 kW made in Ex execution, steel galvanized base-plate, coupling and coupling cover.
 ZP150 units are commonly used at LPG filling stations equipped with underground or aboveground tanks.
 FD150 and DLD150 pumps are turbine. They were designed to pump LPG from underground tanks. 150 series pumps are available in different versions, not only for LPG.



Specification

Inlet	Flange (DIN 2635, 40 PN, 40MM) Flange (1-1/2" ANSI 300lbs R.F.) - Optional
Outlet	Flange (DIN, 2635, 40 PN, 25MM) Flange (1" ANSI 300lbs R.F.) - Optional
Maximum speed	3500 RPM
Maximum working pressure	27.6 Bar
Maximum differential pressure	17.2 Bar
Minimum and maximum temperature	- 32 °C – 107 °C
Maximum driver	4 kW / 5,5 kW
Maximum capacity	do 115 l/min

CAPACITY CURVE FOR CORO-FLO® PUMPS– MODEL 150 (2880 RPM)



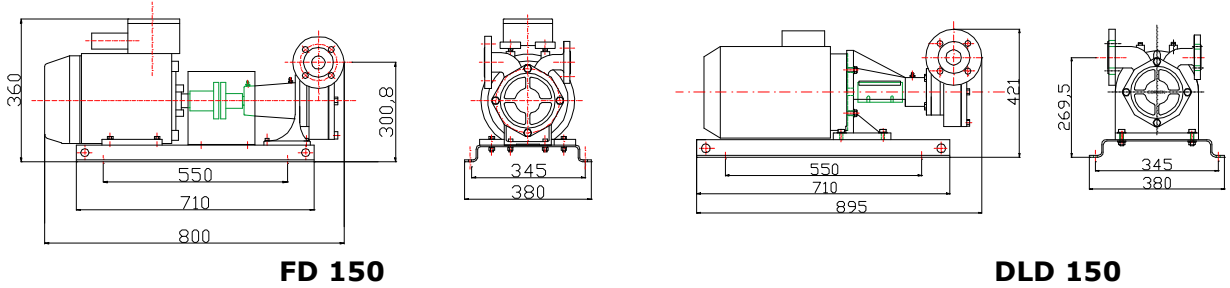
Example: Differential pressure: 10,0 bar
 Flow: 85 L/min
 Power required: 5,1 kW

Capacity curve is drawn for aboveground LPG installations. Capacity curve for underground installations may differ from the above-mentioned.

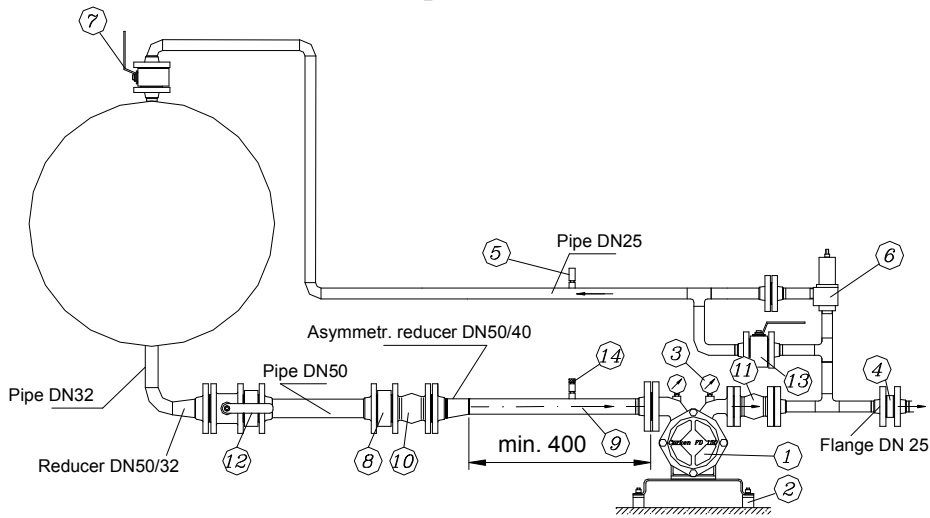
Dimensions

In FD/DLD 150 pump units 4kW and 5,5kW electric motors are mounted. The main mounting dimensions for both units are the same.

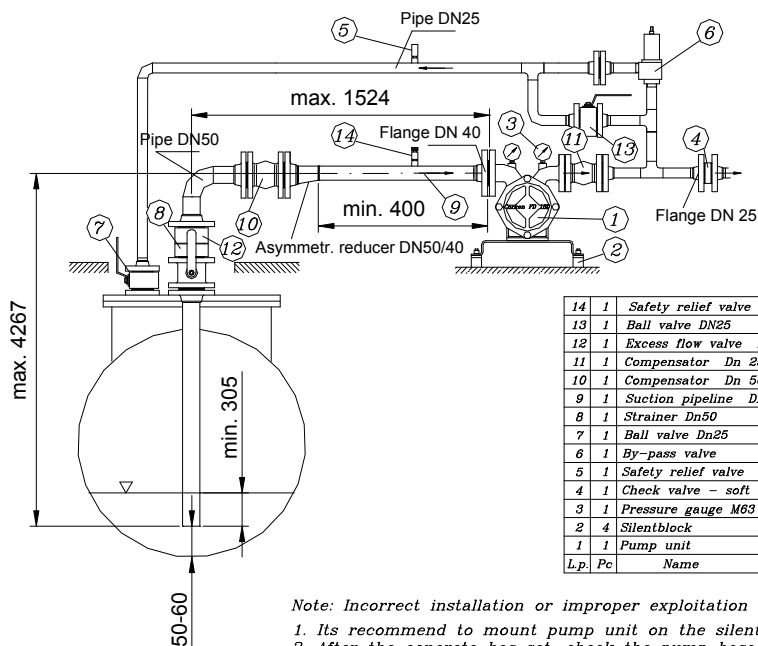
Dimensions shown on the drawing are in mm.



Scheme of aboveground LPG installation



Scheme of underground LPG installation



14	1	Safety relief valve	-
13	1	Ball valve DN25	-
12	1	Excess flow valve Dn 50	-
11	1	Compensator Dn 25	-
10	1	Compensator Dn 50	-
9	1	Suction pipeline Dn40	ZP01-10.09
8	1	Strainer Dn50	FSG-001
7	1	Ball valve Dn25	-
6	1	By-pass valve	B166
5	1	Safety relief valve	H110
4	1	Check valve - soft seat Dn 25	-
3	1	Pressure gauge M63	-
2	4	Silentblock	782 000
1	1	Pump unit	ZP01-01.00
L.p.	Pc	Name	Drawing

Note: Incorrect installation or improper exploitation cause loss guarantee

1. Its recommend to mount pump unit on the silentblocks
2. After the concrete has set, check the pump base for level.
3. Stress between pump and pipeline flanges are unacceptable