

PD Series Internal Gear Pumps

PROPERTIES

- 18 different casing sizes.
- Operating wide range of Viscosity
- Simple and safe construction for various applications.
- Self-priming up to 720 mBar.
- No need to have special handtools. Maintenance can be performed with standard tools.
- Heating/Cooling jackets to adjusting operation temperature of fluid.
- Clearance can be changed upon fluid properties simply.
- All type of seals can be fitted.
- By-pass pressure relief valve can be supplied optionally.
- By-pass pressure relief valve can be supplied with heating jacket for special applications.
- Inlet/outlet can be supplied either 90° or 180°.

PERFORMANCE

Model	Inlet/Outlet	Maximum Capacity (m³/h)	Maximum Speed (RPM)	Maximum Pressure (Bar)
A	1/2"	1	1400	7
GL	1"	3		
FL	1 1/2"	6		
B	1"	2.5	1750	14
CL	1"	3.4		
HL	1 1/2"	7		
JL	2"	13.5	900	
KL	2"	25		
S	2 1/2"	30	500	
SL	2 1/2"	40		
M	3"	45		
ML	3"	68		
N	4"	90	400	
NL	4"			
P	5"	125		
R	6"	135	300	
Z	8"	250		
ZL	10"	340		

JL 5222 FV



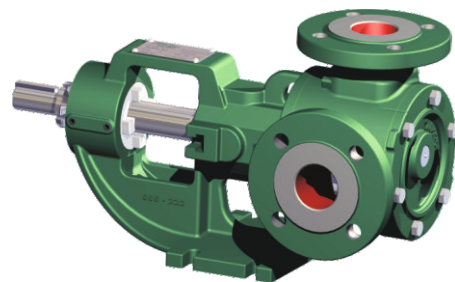
Mechanical Seal, By-Pass Valve on the cover

SL 222 G



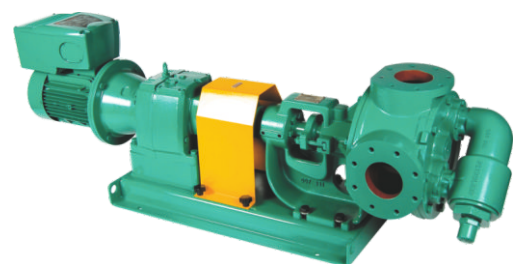
Standard Construction, Packing Gland

KL 5222 F



Standard Construction, Mechanical Seal

N 222 FV



Coupled with gear box, VARMECA speed control unit

Casing Material

GG 25 Cast Iron
 GGG 50 Ductile Iron
 CS 45 Steel
 AISI 304 Stainless Steel
 AISI 316 Stainless Steel
 Bronze

Shaft Sealing

Packing Gland (Standard Construction)
 Mechanical Seal
 Double Mechanical Seal
 Cartridge Mechanical Seal
 Lip seal

Bearing Material

Sn Bz 12 Bronze (Standard Construction)
 Carbon Graphite
 Other (Please consult to PETROLAND)

Options of Mounting Motor

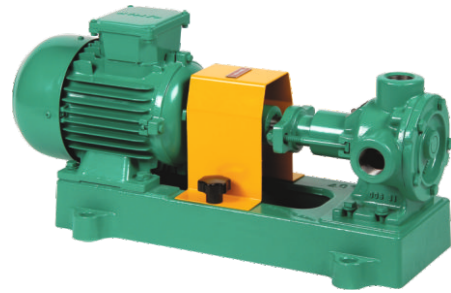
Direct mounting
 With Gearbox
 Belt-Pulley
 With Hydro Motor.

KL 5462 FW



Double jacket, packing gland, by-pass fitted on casing

GL 122

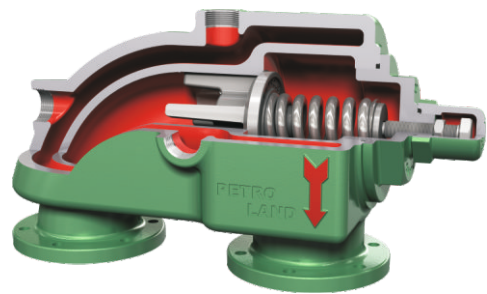


Direct coupled motor, packing gland

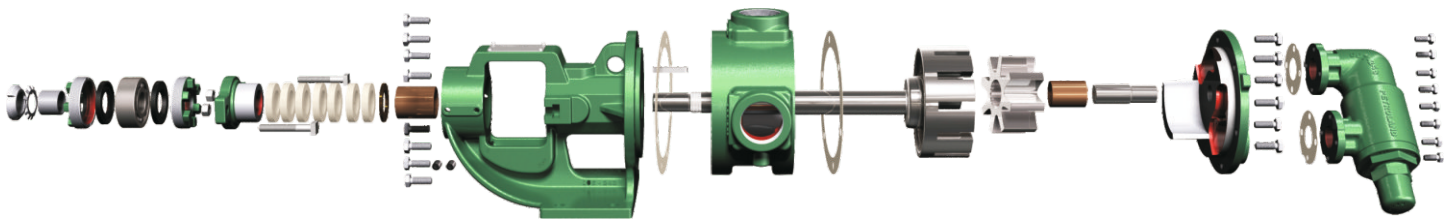
M 5222 FV



Coupled belt-pulley, ex-proof electric motor, by-pass valve on the cover



By-pass valve with heating jacket / Cut-away view



Exploded view of Standard Construction