HYVA
We move your world

Gear pump: 82 ISO 4PORTS+DRAIN

Rotation: bidirectional

MASS MOMENT $M_{amm.} = s \times G$ (Nm)

s=107 mm

Center of mass

G=Weight in N
(Weight in Kg x 9.81)

Dimensions in mm

119
58
146

54
27.6 12
1.6
8.5
141.5
209.5
7
Ø80
Leakage system fitting
Transparent tube ø4/2,5
G 1

104
80
Ø12.5
105
80
SHAFT 8x32x36 ISO 14

Specifications

Displacement	= 81,08 cm³/rev	Pump rotation	= Bidirectional
Max. continuous pressure (100%)	= 205 bar	Inlet pressure	= 0,3 ÷ 2 bar
Max. intermittent pressure (20sec. max)	= 225 bar	Oil filtering:	= > 200 bar: 10 µm / < 200 bar: 25 µm
Max. peak pressure (6sec. max)	= 230 bar	Working temperature	= -15°C +100°C
Max. continuous speed	= 1900 rpm	Viscosity index suggested	= VI > 100
Max. intermittent speed	= 2500 rpm	Max kinematic viscosity	
Min. speed	= 300 rpm	suggested at the start-up	= VG= 750 cSt
IN ISO 228	= G 1	Optimale kinematic viscosity	= VG= 10 cSt ÷ 100 cSt
OUT ISO 228	= G 1	Fluid	= Mineral or synthetic compatible with
Weight	= 15,8 Kg		the following seals: NBR, FKM, FPM, Nylon

Verify that pump is, at least, 100 mm under the minimum level of the tank.
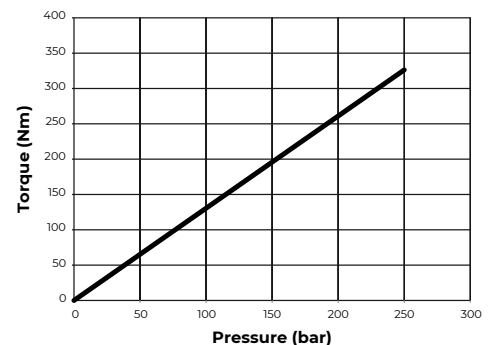Before starting the pump bleed the air.

Kinematic viscosity suggested
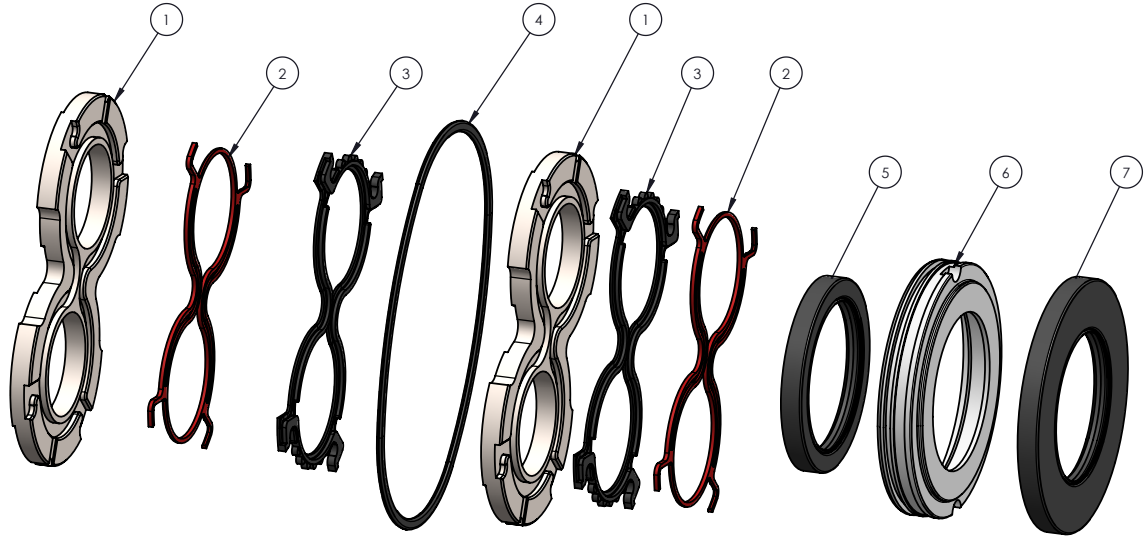
Average ambient temp. (°C)	VG (cSt = mm2/s)
< -10	22
-10÷10	32
10÷35	46
> 35	68

Torque - Pressure characteristics

Related documentation

Mounting instructions: PUM-0017

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Spare parts

N°	Part.no	Description	Qty.
1	02411002	Thrust plate	2
2		Back-up ring	2
3		Thrust plate seal	2
4		O-ring	1
5		Oil seal 55x42x6	1
6		Oil seal flange	1
7		Oil seal 72x42x6	1

N°	Part. no	Description
2		
3		
4	02410032	Seal kit
5		
6		
7		
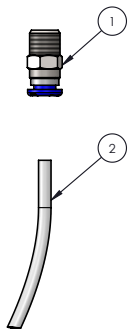
N°	Part. no	Description
1	02412495	Leakage indicator kit
2		