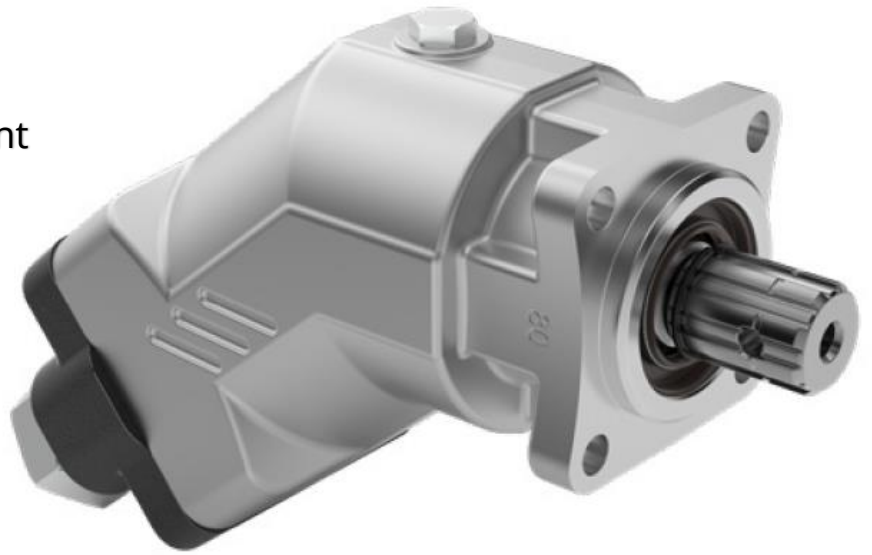


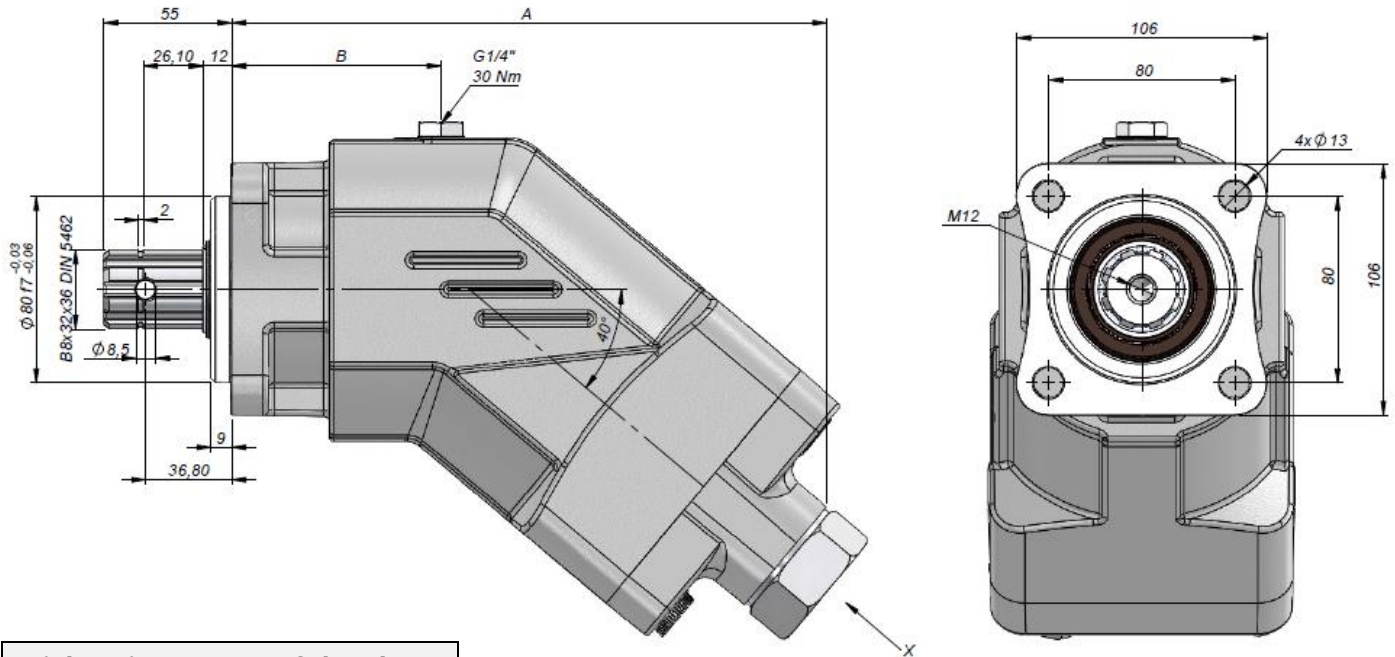
- Bi-Directional Rotation
- Bent axis fixed displacement
- Aluminum Body
- DIN 5462 Mount
- BSP threaded ports



Note: ProDrive is constantly engaged in improving its products and, therefore, reserves itself the right to modify without any further notice the characteristics shown in this material.

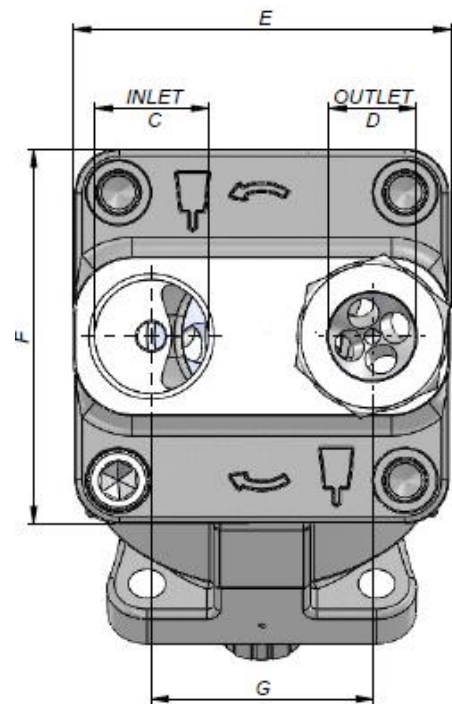
Order Code	Displac.	Max Continuous Pressure	Max Peak Pressure	Max Speed (RPM)		Min Speed	C	D
				Nom	max			
Right Hand Rotation	(cm ³ /rev)	(%100)-bar	(6 sec max)-bar			RPM	Inlet	Outlet
KH03070220142R-2A	22	350	400	3050	4300	300	G3/4"	G1/2"
KH03070330142R-2A	33			2750	3900			
KH03070450142R-2A	45			2650	3800			
KH03070560142R-2A	56			2550	3700			
KH03070650142R-2A	65			2200	3200			
KH03070800142R-2A	80			2150	3100			
KH03071070142R-2A	107	250	300	2000	2800	G1 1/4"	G1"	
KH03071250142R-2A	125			1750	2500			

DIMENSIONS (mm)



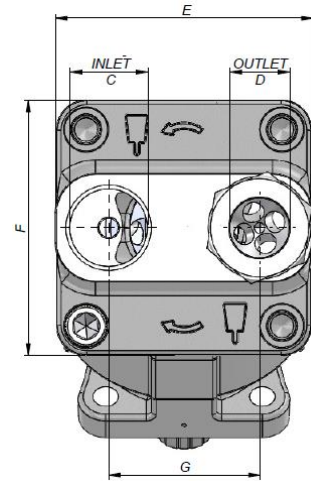
Tightening Torque of the Plugs	
G1/2"	55-65 Nm
G3/4"	90-100 Nm
G1"	135-160 Nm
G1 1/4"	200-230 Nm

Displac.	A	B	C	D	E	F	E
(cm ³ /rev)	mm	mm	Inlet	Outlet	mm	mm	mm
22	180	58	G3/4"	G1/2"	89	89	52
33					89	89	52
45	210	78	G1"	G3/4"	108.7	108.7	59
56	218	80			110.5	108	64
65					110.5	108	64
80	245	94	G1 1/4"	G1"	127	118	69
107	256				131.6	130	77
125					131.6	130	77

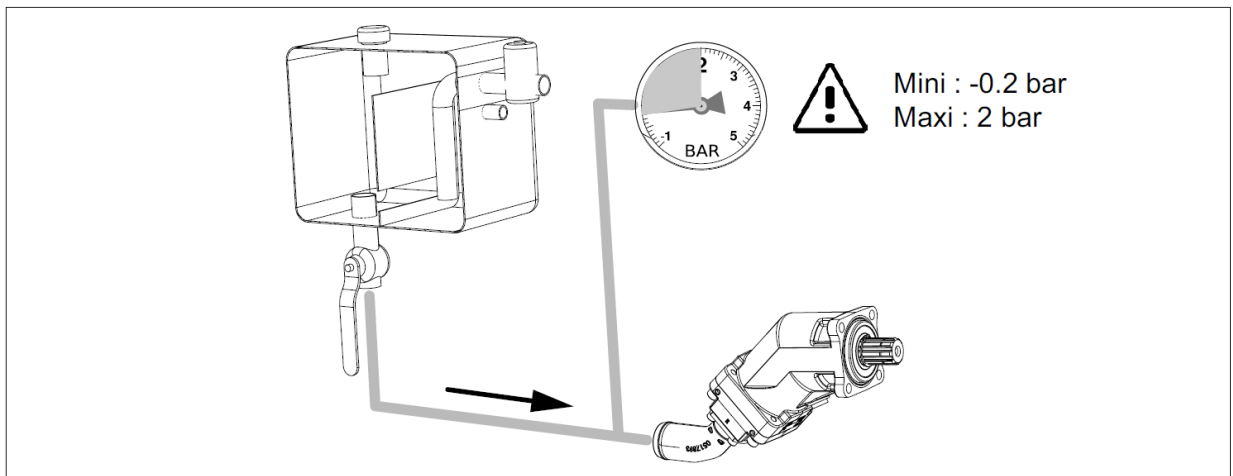
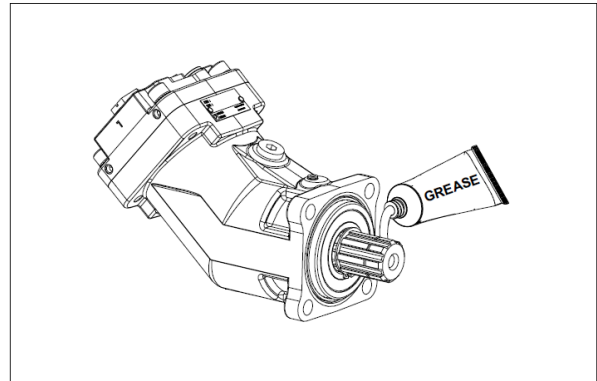
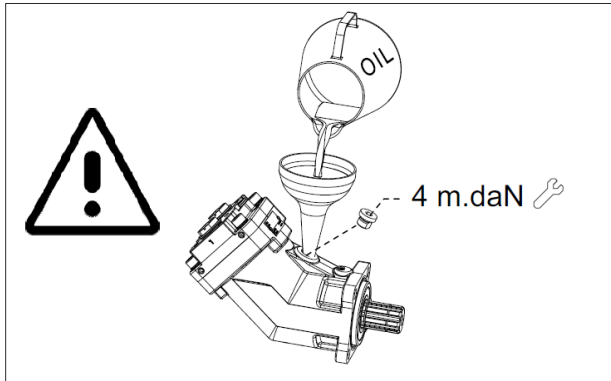


Rotation Change

Pumps are shipped with right hand rotation setup as standard, to change to left hand rotation, simply remove the pressure port reducer fitting from the left port and attach it to the right port as shown in this picture.

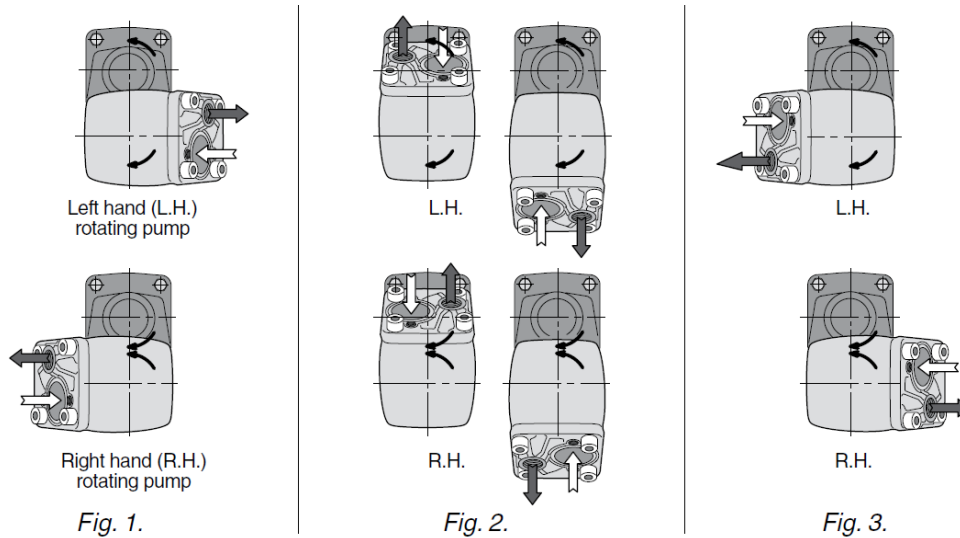


Start-Up Recommendations



Bearing Life

Fig.1 provides the lowest bearing life and the highest is obtained when installed according to fig.3



Operating Characteristics

Flow	$q_v = \frac{V_g \times n \times \eta_v}{1000}$	[l/min]
Torque	$T = \frac{V_g \times \Delta p}{20 \times \pi \times \eta_{hm}}$	[Nm]
Power	$P = \frac{2 \pi \times T \times n}{60000} = \frac{q_v \times \Delta p}{600 \times \eta_t}$	[kW]

Key

- V_g Displacement per revolution [cm³]
- Δp Differential pressure [bar]
- n Speed [rpm]
- η_v Volumetric efficiency
- η_{hm} Hydraulic-mechanical efficiency
- η_t Total efficiency ($\eta_t = \eta_v \times \eta_{hm}$)