

MAIN FEATURES



MANIFOLD
Forged stainless steel 420



CONNECTING ROD
Aluminum forged, reinforced with bushing.



CHECKING VALVE
High volumetric efficiency, features spherical sealing areas.



OPTIONAL MATERIAL
Nodular cast iron. Stainless steel 316L, Duplex 2205



PLUNGER
Solid ceramic tube, features high precision and wear-resistance



CRANKSHAFT
Forged steel alloy, heat treatment, multiple process grinded.



CRANKCASE
Die-cast aluminum alloy, anodized.



PACKING
PARKER High-low dual pressure packing, with integrated cooling



APPLICATIONS
Municipal, environmental, mining sea water RO, food, drink, chemical, pharmaceutical etc.

Applicable Valves

UNLOADER VALVE(#11)

Max Pressure: 230bar/3330psi (Stainless Steel)

Max Flow: 500LPM/132GPM

Inlet/Outlet: 1 1/2"

Bypass Port: 1 1/2"



Other Versions

Gearbox reduction version

Nodular cast iron case, black painting.

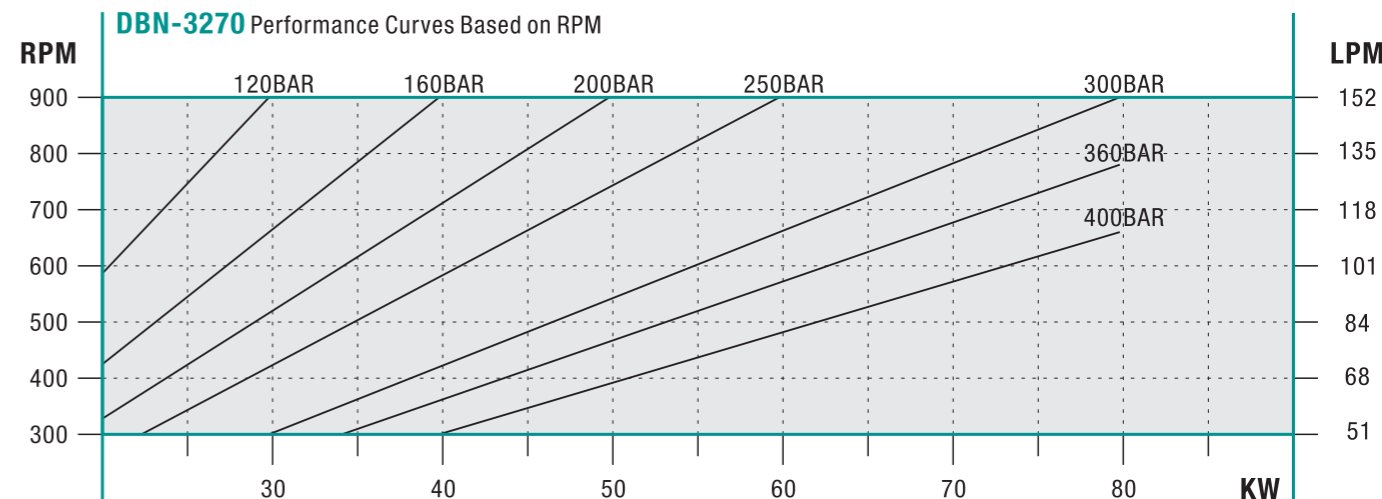
High-grade helical gear.

Reduction ratio: 1.82:1

Importance

- Inlet Port 2 1/2" BSP (Hose barb ϕ 68mm)
- Outlet Port: 1 1/4" BSP
- Oil Bath Capacity: 16L (half level of oil gauge)
- Oil Type: 85W/90 or greater GEAR OIL
- Water Inlet Pressure: 0-50psi/3.5bar
- Max Inlet Water Temp.: 50°C/122°F

Cutaway View



PUMP MODEL	MAX FLOW		MAX PRESSURE		INPUT RPM	POWER REQUIRED		SHIPPING WEIGHT		SHIPPING SIZE
	GPM	LPM	PSI	BAR		HP	KW	KGS	LBS	
DBN-5070	87.2	330	1810	125	800	109	80	270	595.2	82x67x35
DBN-5070	76.1	288	2030	140	700	109	80			
DBN-5070	65.3	247	2390	165	600	109	80			
DBN-4070	55.7	211	2900	200	800	109	80	270	595.2	82x67x35
DBN-4070	48.6	184	3190	220	700	109	80			
DBN-4070	41.7	158	2630	250	600	109	80			
DBN-3270	35.7	135	4350	300	800	109	80	270	595.2	82x67x35
DBN-3270	31.2	118	4930	340	700	109	80			
DBN-3270	26.7	101	4930	340	600	91	67.5			

