

**MAIN FEATURES**

**STANDARD MANIFOLD**  
Nodular cast iron

**OPTIONAL MATERIAL**  
Stainless steel 316L, Duplex 2205

**CRANKCASE**  
Die-cast aluminum alloy, anodized.

**CONNECTING ROD**  
Aluminum forged, reinforced with bushing.

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

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

**CHECKING VALVE**  
High volumetric efficiency, features spherical sealing areas.

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

**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"



**SAFETY VALVE**

Max Pressure: 206bar/3000psi, 280bar/4060psi

Max Flow: 200LPM/53GPM

Inlet Port: 3/4" Bypass Port: 1/2"

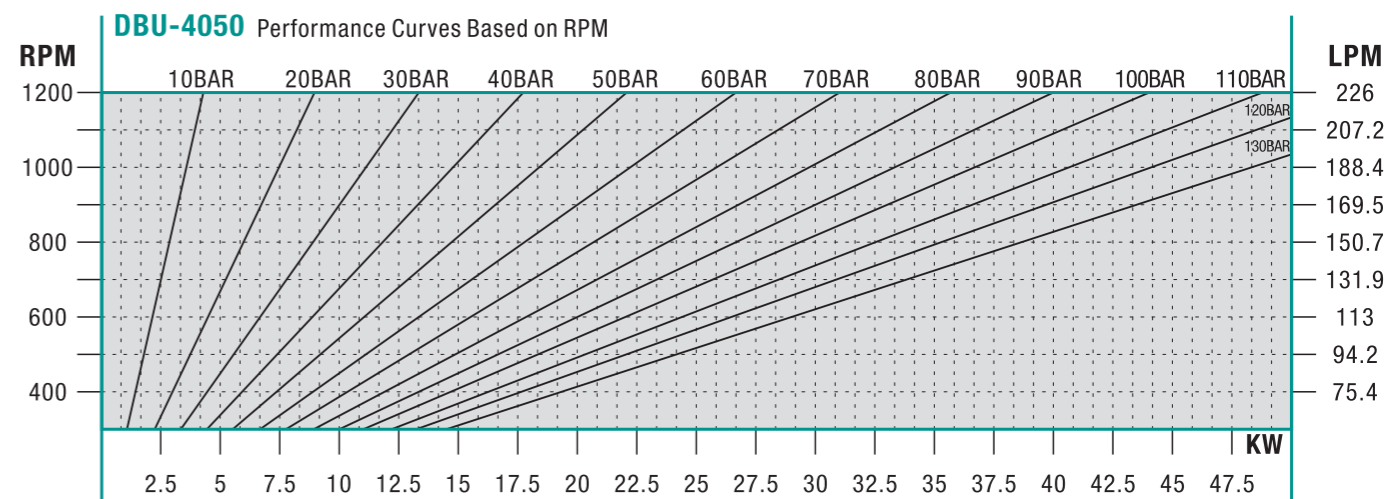
Brass forged body, stainless valve core and seat



**Importance**

- Inlet Port 1 1/2" BSP
- Outlet Port: 1" BSP
- Oil Bath Capacity: 4500ml (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	
DBU-3650	47.8	181	1960	135	1190	65	55	85	187.4	60x38x25
DBU-3650	44.1	167	2180	150	1100	65	55			
DBU-3650	40.4	153	2320	160	1000	65	55			
DBU-4050	59.1	224	1600	110	1190	65	55	85	187.4	60x38x25
DBU-4050	54.6	207	1740	120	1100	65	55			
DBU-4050	49.6	188	1890	130	1000	65	55			

