



Pumps

CI ROTARY GEAR PUMP



Care-Well Engineers offers most efficient and economic range of Positive Displacement Rotary Gear Pumps under the brand name "CARE-WELL PUMPS" having special features like simple & compact design, low noise, high efficiency, easy to maintain, reliable and low cost. "CARE-WELL PUMPS" Rotary Gear Pumps are ideal for Chemical, petrochemical, Food, Oil, Steel, Refining, Paints, Dairy, Sugar & Pharmaceutical Industries etc. The Pumps are useful for handling viscous liquids i.e., all kinds of oils, viscous chemicals & food applications etc. The Pump can be Operated Maximum at 200 °C. Opetionally Available in Gland Packing & Mechanical seal.

CARE - WELL ENGINEERS

Industrial Pumps & Spares

- CW Gear Pump Material of Construction**

Part	Material For Standard	Material For H.T.
Body	IS.210 FG 220 C.I. Grade	IS.210 FG 220 C.I. Grade
Back Cover	IS.210 FG 220 C.I. Grade	IS.210 FG 220 C.I. Grade
Gland Cover	IS.210 FG 220 C.I. Grade	IS.210 FG 220 C.I. Grade
R.H. & L.H. Gear	EN-8	EN-24 [H. Nitrated]
Rotor/Stator Shaft	EN-19	EN-19
Bearing [Bushes]	Non-Ferrous Sintered Bronze	Non-Ferrous Sintered Bronze
Sealing	Neoprene oil Seal / Mechanical seal	"GFO" Pack Teflon / Mechanical Seal
R.V. Cap	Aluminum	Aluminum
Key for coupling	EN-8	EN-8

- CW Rotary Gear Pump Technical Specification**

Model	S&D	Capacity at 1440 RPM			Recommended Motor BHP at Differential Pressure (KG/CM ²) With 1500 SSU Viscosity										
		LPM	US GPM	M ³ /hr	Kg/cm ²	1	2	3	4	5	6	7	8	9	10
CW - 25	1/4" X 1/4"	05	1.3	0.3	KW	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.30	0.32	0.35
					HP	0.25			0.35			0.50			
CW - 50	1/2" X 1/2"	20	5.3	1.2	KW	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75
					HP	0.2			0.75			1.0			
CW - 75	3/4" X 3/4"	30	7.9	1.8	KW	0.3	0.45	0.54	0.62	0.69	0.77	0.85	0.92	1.01	1.09
					HP	0.75			1.0			1.5			
CW - 100	1" X 1"	50	13.2	3.0	KW	0.4	0.50	0.60	0.75	0.89	1.04	1.17	1.30	1.46	1.59
					HP	1.0			1.5			2.0			
CW - 125	1 1/4" X 1 1/4"	75	19.8	4.5	KW	0.7	1.0	1.2	1.4	1.5	1.9	1.95	2.15	2.35	2.55
					HP	1.5			2.0			3.0			
CW - 150	1 1/2" X 1 1/2"	110	29.0	6.6	KW	1.0	1.45	1.95	2.10	2.40	2.65	2.95	3.25	3.60	3.75
					HP	2.0			3.0			5.0			
CW - 200	2" X 2"	225	59.4	13.5	KW	2.0	2.5	3.2	3.75	4.3	4.55	5.6	6.2	6.9	7.11
					HP	3.0			5.0			7.5			
CW - 250	2 1/2" X 2 1/2"	350	92.5	21.0	KW	4.15	5.2	6.1	7.3	8.2	9.1	10.3	11.2	12.1	12.25
					HP	5.0			10.0			12.5			
CW - 300	3" X 3"	500	132.0	30.0	KW	4.5	6.6	8.4	9.9	11.1	12.1	13.0	13.9	14.9	15.9
					HP	10			15			20			



Pumps

Applications:

- Refineries.
- Mineral Oils.
- Printing Inks.
- Dyes & Resins.
- All type of Fuels.
- Power Plants.
- Steel Plants.
- Steel Plants.
- Glycerin, glycol & soap solution.
- Oil storage installation.

Features:

- Simple and Efficient Design.
- Single helical gear design.
- Low noise & Easy to maintain.
- Optionally available in double helical gear design.
- Bi-direction positive displacement pump.

Range:

- Capacity: UP TO 30 M3/HR.
- Size: 1/4" X 1/4" TO 3" X 3".
- Speed: UP TO 1400 RPM.
- Pressure: Up TO 10 KG/CM2.
- M.O.C.: IS 210 FG 220 C.I. Grade



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