## **SPECIFICATION SHEET**

Multi-Stage Duplex (MSD) Pump **MODEL MSD-40\*** 





for Reverse Osmosis Desalination

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	FITTINGS		
entrifugal pump with barrel flanged joint construction.	PIPE JOINTS	Grooved-style Inlet/Outlet	, •
	EYE BOLTS	Motor only	
Seawater, brackish water, and fresh water	DRIVE		
0.6 - 70.0° C	MOTOR	OTOR Available per customer specific	
85° C	requirements NEMA FRAME STANDARD, IEC AVAILABLE		
20-56 m³/h		•	
83 bar	BEARINGS		
20 microns			
	THRUST FEDCO Water Bearing TM Product Lubricated		
	COOLING Product provides cooling to all bearings		
Contact FEDCO for specific performance data	LUBRICATION	Product lubricated (no user lubrication required)	
	TESTING ANI	D INSPECTION	ON
Duplex 2205 one-piece construction machined from	PERFORMANCE TEST  **Hydraulic Institude (HI) Hydrostatic and Centrifugal Pump Testing Standards		Standard
bar stock S31803 ASTM A276/479 (Super Duplex SS optional S32750 ASTM A276/479)			
Duplex 2205 s31803 ASTM A190	HYDROSTATIC TEST  **Hydraulic Institude (HI) Hydrostatic and Centrifugal Pump Testing Standards		Standard
316 SS s31600 A193/A320/F593	VISUAL/DIMENSION CHECK		Optional
Duplex 2205 S31803 ASTM A890 (Super Duplex SS optional S32750 ASTM A890)	SOUND TEST (75-85 dBA Nominal)		Optional
Duplex 2205 S31803 ASTM A890 (Super Duplex SS optional S32750 ASTM A890)	VIBRATION TEST (4.5mm/sec RMS (0.177"/sec))		Optional
Annodized 713 aluminum casting A07130 ASTM ZC81A	WITNESS TEST		Optional
Flexible disc coupling - FNC treated Carbon Steel S45C ASTM 1045	CERTIFIED TEST DATA		Optional
316L s31603 ASTM 276/479	MATERIAL CERTIFICATES		Optional
Powder coated carbon steel A36	SHIPPING		
316 Carbon silicon carbide Buna N	PROTECTIVE COVERS		Standard
FITS ISO DIN/ANSI TYPE 2100  Painted carbon steel A36 ( optional)	EXPORT CRATING		Standard
ASTM A570/A	ADDITIONAL SHII	PPING OPTIONS	Available per custome
			requirements
nts	ESTIMATED UNIT WEIGHT		Contact FEDCO for specific design weight
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	Duplex 2205 one-piece construction machined from bar stock s31803 ASTM A276/479  [Super Duplex SS optional S32750 ASTM A276/479]  Duplex 2205 S31803 ASTM A190  316 SS s31600 A193/A320/F593  Duplex 2205 S31803 ASTM A890 [Super Duplex SS optional S32750 ASTM A890]  Duplex 2205 S31803 ASTM A890 [Super Duplex SS optional S32750 ASTM A890]  Duplex 2205 S31803 ASTM A890 [Super Duplex SS optional S32750 ASTM A890]  Annodized 713 aluminum casting A07130 ASTM ZC81A  Flexible disc coupling - FNC treated Carbon Steel S45c ASTM 1045  316L S31603 ASTM 276/479  Powder coated carbon steel A36 ASTM A570/A  316 Carbon silicon carbide Buna N  FITS ISO DIN/ANSI TYPE 2100  Painted carbon steel A36 ( optional)	Seawater, brackish water, and fresh water    DRIVE	Seawater, brackish water, and fresh water    O.6 - 70.0 ° C

NOTE: All numeric values are based on performance norms. Specific performance data is included with each individual unit. FEDCO reserves the right to make specification changes at any time without prior notice. Please contact your FEDCO representative for information. Fedco-MSD-70-Multistage-Duplex-Pump-Len ††Gerjeral Code Groups, Associations, Laboratories, and Approval Bodies include the American Society for Testing and Materials (ASTM), the International Organization for Standardization (ISO), and the NSF International.