

# Centrifugal Transfer Pumps - Plant Pumps -

## Vertiflo Double "Pressurized" Seal Centrifugal Pump Units

These 1424 Series Vertiflo Centrifugal Pumps include Double Viton® Seals with pressurized seal fluid reservoirs (includes translucent reservoir, fill port, mounting bracket, pressure gauge, Schraeder air valve and tubing). The double seal feature provides extra protection including run-dry applications. Great for a wide variety of applications, including fertilizer, various chemicals, water, wastewater and deicing liquids. Run at 1750 RPM speeds for reduced wear while providing high flow rate and pressure capability. All iron construction. ANSI 150# ANSI flanged ports. Back pull-out design for easier maintenance. Heavy-duty solid 416SS shafts. Double grease lube bearings with zerk fittings. Semi-open impellers will pass 1-3/16" solids.



Pumps are long coupled on steel baseplates (powder coated) to Totally Enclosed Fan Cooled (TEFC) motors and include OSHA Approved "Orange Peel" poly coupling guards. Also available with optional stainless impellers or in all 316 stainless construction.



Part No.	Flanged Ports	Flow at 25 PSI	Max. Flow	* Max. S.G.	Motor H.P.	Wt. Lbs.
DU VF4X3-20	4 x 3	600 GPM	660 GPM	1.38 at 600 GPM	20 HP	675
DU VF4X3-25	4 x 3	600 GPM	660 GPM	1.6 at 600 GPM	25 HP	725
DU VF5X4-25	5 x 4	760 GPM	760 GPM	1.5 at 760 GPM	25 HP	750
DU VF6X4-30	6 x 4	900 GPM	925 GPM	1.42 at 600 GPM	30 HP	850
DU VF6X4-40	6 x 4	1123 GPM	1125 GPM	1.43 at 600 GPM	40 HP	950
DU VF6X4-50	6 x 4	1200 GPM	1200 GPM	1.4 at 750 GPM	50 HP	1050
DU VF6X5-30	6 x 5	800 GPM	800 GPM	1.4 at 700 GPM	30 HP	850
DU VF6X5-40	6 x 5	1130 GPM	1130 GPM	1.6 at 1000 GPM	40 HP	875
DU VF6X6-40	6 x 6	1300 GPM	1725 GPM	1.5 at 1000 GPM	40 HP	1075

\* S.G. = Specific Gravity (Weight of Product/Weight of Water). † Models are Heavy Duty 1434 Series.

## Crane Deming Centrifugal Pump Units with Double Viton® Seals

These 4021 Series Standard Duty Pumps will handle a wide range of fluids. Standard construction is all iron, 10" impellers, double Viton® mechanical seal with Lubesite #205 grease lubricators. Pumps are base mounted to a 52" x 18" baseplate with Lovejoy S-Flex coupling drives. Motors are 1750 rpm/TEFC/3-Phase. These units have flanged ports and are designed to provide years of trouble-free service. Stainless impellers are available at additional cost. Maximum liquid temperature is 225° F.



\* For fertilizer and other heavy liquids, use pumps shown with S.G. of 1.33 or higher. (1.0 S.G. for water only).

Part No.	Pump Unit	Size	HP	GPM Max.	*Max. S.G.	Wt. Lbs.
DU CD3M-15	3M Deming	4 X 3	15	620	1.00	585
DU CD3M-20	3M Deming	4 X 3	20	620	1.33	635
DU CD4M-20	4M Deming	5 X 4	20	900	1.00	665
DU CD4M-25	4M Deming	5 X 4	25	900	1.33	715
DU CD4M-30	4M Deming	5 X 4	30	900	1.60	780
DU CD5M-25	5M Deming	6 X 5	25	1300	1.00	765
DU CD5M-30	5M Deming	6 X 5	30	1300	1.33	805
DU CD5M-40	5M Deming	6 X 5	40	1300	1.60	845
DU CD6M-30	6M Deming	6 X 6	30	1600	1.20	820
DU CD6M-40	6M Deming	6 X 6	40	1700	1.50	1020

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## Vertiflo Double "Grease Lube" Seal Centrifugal Pump Units

These Pump Units include same Vertiflo Double Seal Pumps, motors, couplings, guards and baseplates as noted at left but with Lubesite #205 Grease Lubricator Kit instead of pressurized seal.

Part No.	Flanged Ports	Flow at 25 PSI	Max. Flow	* Max. S.G.	Motor H.P.	Wt. Lbs.
DU VF4X3-20G	4 x 3	610 GPM	660 GPM	1.33	20 HP	650
DU VF5X4-25G	5 x 4	760 GPM	760 GPM	1.50	25 HP	725
DU VF6X4-40G	6 x 4	1125 GPM	1125 GPM	** 1.43	40 HP	825
DU VF6X5-40G	6 x 5	1030 GPM	1140 GPM	1.65	40 HP	850
DU VF6X6-40G	6 x 6	1125 GPM	1725 GPM	1.50	40 HP	1050

\* S.G. = Specific Gravity (Weight of Product/Weight of Water); S.G. rated above at Flow at 25 PSI  
\*\* 1.43 S.G. at 600 GPM on this pump.

## Vertiflo Double Seal Pumps Only

Same 1424 Series Pumps used in pump units shown at left. All iron, heavy duty solid 416SS shafts, double grease bearings and double Viton® mechanical seals. 1-1/4" shaft diameter at coupling point.



Choose either pressurized seal barrier fluid reservoir (best choice) or Lubesite grease lubricator. Both sold separately.



LUBE-205KV  
Lubesite #205 Grease  
Lubricator Kit



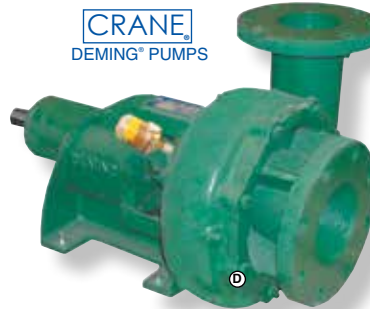
118-000-236V  
Pressurized Seal  
Fluid Reservoir

Part No.	Flanged Ports	Flow at 25 PSI	Max. Flow	Wt. Lbs.
VF 4X3X10-DBL	4 x 3	610 GPM	660 GPM	145
VF 5X4X10-DBL	5 x 4	760 GPM	760 GPM	225
VF 6X4X11-DBL	6 x 4	1125 GPM	1125 GPM	225
VF 6X5X10-DBL	6 x 5	1030 GPM	1140 GPM	225
VF 6X6X10-DBL	6 x 6	1125 GPM	1725 GPM	275

SC 118-000-236V	Pressurized Seal Barrier Fluid Reservoir Kit Less Bracket.....
DU PS-STAND	Steel Bracket for Above Reservoir.....
DU LUBE-205KV	Lubesite #205 Grease Lubricator Kit.....
DU PSRK-1	Pressure Relief Valve Kit - Less Tank.....
VF 1V	Double Viton® Seal Assembly.....
VF 1B	Double BUNA Seal Assembly.....
VF 50	Casing Gasket.....
VF 50-2	Stuffing Box Gasket.....
DU VF1	* Viton Double Seal Kit.....

\* Includes Viton® Double Seal, Case Gasket, Stuffing Box Gasket, Slinger

## Crane Deming Double Seal Pumps



Same 4021 Standard Duty Pumps used in pump units shown at left. All iron, 1-1/4" S.S. shafts, Viton® double mechanical seals with Lubesite #205 grease lubricators. Run at 1750 RPM maximum.

Note: Not for Use with Inlet Pressure Above 25 PSI.

Part No.	Pump Style	Wt.
PW 3M	4" x 3" Flanged	145 lbs.
PW 4M	5" x 4" Flanged	225 lbs.
PW 6M	6" x 6" Flanged	275 lbs.
PW 118930	Double Viton® Seal.....	
PW 0030899	Double Buna Seal.....	
PW 0004474	Suction Cover Gasket.....	
SC 118-000-236	Pressure Seal Assembly.....	
DU LUBE-205K	Lubesite #205 Grease Lube Kit	