## DELAAN RoUle:PRO

6900 Series Roller Pump


Dil Free: 1.866-DELAVAN (335-2826) Delavanfluidopewer.com 1226 Linden Ave. Minneapolis, MN, 55403

Installation
Operation - Repair - Parts Delavan Fluid Power RollerpPO pumps are the \#1 fifld proven sprayer pumps in the
indursty capable of accepting a variety of liquids for oriferent apppications. Delavan
designs, engineers and manufactures a wide variety of roller pumps to meet the widest Jesigns, engineers and manuuractures a wide vanety of roller pump to meet the wides
ange of needs our customers demand. To ensure the best performance for yo
 Viton seal rings, stainless steel shatts and rotors, and close tolerance machining. All
standard. All Delavn Rollepro putmp are toor, fiel seviceable saving you precius
time and money when needing to replacace rollers. 6900 Series Specifications
6900C - 6 ROLLERS, 22.8 GPM, CAST RON, $5 / 8$ " SOLID SHAFT, $3 / 4^{" ~ N P T, ~ C L O C K W I S E ~}$


 6900DSS-6 RRLLERS, 22.8 GPM, DIAMOND STAINLESS STEEL, $5 / 8$ " SOLID SHAFT, $3 / 4$
NPT, CLOCKWISE ROTATION, 150 PSI 69000SS-R-6ROLLERS, 22.8GPM, DIAMOND STAIILLESS STEEL, 5/8" SOLID SHAFT, $3 / 4^{"}$
 DPK-6900C - ROLLER PRO 6900 C PUMP WITH QUICK COUPLER (90200) \& TOROUE BAR AND
DPK-G900DSS- ROLLER PRO 6900 DSS PUMP WITH QUICK COUPLLER (90200) \& TORQUE
BR ANO
Materials of Construction
Housing: Cast lron with Blue Epooxy Corrosion Resistant Paint or Diamond Stainless Steel

Shaft Seals: Viton Cartridge type lip
Fasteners :
Weightess
Wheel
Fasteners: Stain
Weight: 1 bs
Dimensions (W




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Installation - -86-DELAVAN and issues with your Delavan Fluid Power Product please $c$ .
TRACTOR PTOINSTALLATION:

 on PTO quick coupler, Sliding onto PTO Shaft and locking into place.
Check pump rotation. An arrow on the pump indicates proper rotation direction. To keep the pump from rotating with the shaft, set atoque arm and short length of chain,
Bolt one end of the chaint to the torque a arm and secure the other to s stationary part of the



 ENGINE INSTALLATION:
The pump base can be mounted on a frame and aligned for e either direct-drive or belt and
pulley drive. When mounting for direct-drive, be sure pump and engine shafts are in lignment. A flexible drive coupling will compensate for fractional misalignment. Whe
nounting tor pulley drive, be sure the engine and pump shaft are parallel. Align pulley nod keeth them as close to shaft bearing as possible. Please review pump maximum RPM
specification. SPRRYER SET-UP:
Selecting the orre
Selecting the correct size and category of hose is itial you running your system at optimal
performance. Ensure all hoses and accessories are air tioht. Delavan recommends using

 ${ }^{\text {mithr}}$
To prevent damage to pump a strainer must be installed in the suction line of system.
Sediment or graviar can jet ologed in the pump, sprayer hoses or nozzle tips causing
damage. clean straine often to avoid clooging. Ensure a bypass line is installed and operational before starting and adjust accordingly. Ensure abypass line is is istalled and operational before starting and adjust accordingly.
Keeping all hoses to a minimu .entt will ensure your system works at optimal
performance. Avoid any looped sections of hose to to prevent Before starting for first time and dffere extendeded periods without use, a feew sguirts of light
oil in the pumps inlet and outlet ports will help lubricate and start the eolier Pump.

Installation
Operation

- Repair - Parts WARNiNG:
Pumping orososive or abrasive liquids will lead to deterioration of parts including rollers,
rotors, seals, shaft and other essential components. Ensure the pump is only used with

 Maximum recommended operating temperature: $140^{\circ}$ ( $60^{\circ} \mathrm{C}$ )
PRIMING YOUR PUMP:
 pump to run dry Keep the inlet/s suction hose a short as possible and avoid
elbows or any other orientation that would restrict the fow into the pump.
maintenance:
MAINTENANCE:
Pelavan Rolerpo pumps are equipped with permanently lubricated bearings. They do not
equire further lubrication. Winterizing or extended storage:
WINTERIZING OR EXTENDED STIORAGE:
 SERVICIING AND REPAR:
Exclusive patent pending


TROUBLLESHOOTING AND FAQ'S:
Why does my pump have low pressure?
-Check iniet ine isf ifly immersed in water
Pump was not trimed property, disconnect inlet hose and re-attach ensuring there is liquid
ny your ump
nefore stand

Inten line air leaesks.C.Ceck ald connections for reaks, reseal with sealant of Teflon Tape

How do you prime a roller pump?
All roller pumps must tee paump? fited during priming. Roller pumps need liquidi in the pump
while priming or the heat due to f ficition can caus rollers and seals to melt. Never run a roller

TROUBLESHOOTING
Why is my pump is unusually loud or has excessive vibration?
Check



Do the neodle bearings need to be greased?
Delaan follerpor pump sare equipped with $p$ p
require further lubrication.
Can Iuse Roundup in my roller pumps?
Delaan recommends ssisingour Diamond Stainss Steel Line of roller pumps with Roundup.
Diamond Stainess steel (DSS) Pumps are more resistant to corrosion associated with
Roundup.
Which direction do the replacement rollers in repair kit $K K-6900$ need to be placed?
You can place the rollers in any orientation inside the rotors.







Delavan Fluid Power offers the following repair kits for
our RollerPRO 6900 Series Pump


Warnings
DELAVAN STANDARD WARRANTY
Please read and follow operators manual before
using and installing Delavan Fluid Power products.

- Do not use pump outside the parameters listed on the label.
- Never use the pump above 100 PSI at anytime.
-NEVER pump - NEVER pump gasoline or other flammable liquidss
head matetials sere designed for use with water ba head materials are designed for use with water bs
only. . NEVER use with Peetroleum based products.
- Do not use in an explosive erviromentent. Arcing from the motor brushes, switch, or
excessive heat from an improperty cycled motor may cause an explosion. - Do onot tasume fluid compatibility. If the fuid is improperly matched to the pump, intermal
damage may occur.

 -To prevent electrical shock, disconnect power before initiating any work. In the case of a
pump failure, the motor housing and/or pump fluid may cary high voltages to components pump failure, the motor housing and/or pump fluid may carry high voltages to components
nomally considered safe. Therefore, always consider electrical shock hazard when working
with
 should only be done by a qualifede electricician per per ocal satate electrical codes. -Do not locate the pump motor near low temperature plastics or combustible material. The
surface temperature of the motor may exceed $250^{\circ}$. -The installation of 50 mesh strainer is recommended to prevent debris or other foreign
material from entering the pump and causing pump failure. material from entering the pump and causing pump failure.
- Delavan Diaphragm Pumps are designed for intermittent
- Delavan Diaphragm Pumps are designed for intermittent duty, but may run continuously if
the motor temperature does not exceed the recommended linit. Delavan RollerPRO pump the motor temperature does not exceed the rec
can run continuously provided it is ot run dry.
- Always inspect pump before each use as directed. Do not use pump if damaged and not in
working condition. - Always assess work area for any hazards before using pump. - Always understand the hazards of any chemicals sumed in you pump. Proper personal
protective equipment should pe worn and Safety Pata sheet read.










 No person, including any dealer or representative of Delavan AG Pumps. is authorized to make any




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