

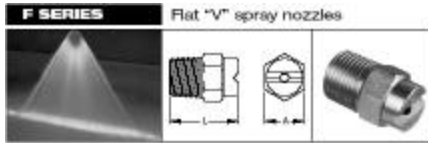
Delivering Value
to You and Your
Papermachine



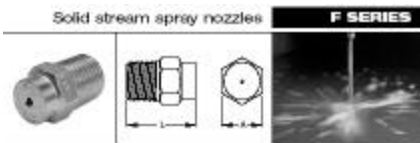
GLENCO

Spray & Shower Nozzles

Spray and Shower nozzles available for all your papermaking applications
INCLUDING RUBY FITTED TRIM SQUIRTS AND SOLID STREAM SHOWER NOZZLES.



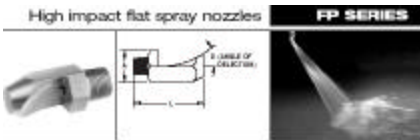
F-Series Flat spray nozzles produce a flat, fan shaped spray pattern, with spray angles available from 5° to 110° measured at 40 psi. Spray angles generally increase with pressure. Spray density tapers off toward the outside of these sprays, to permit overlapping of spray patterns while maintaining uniform spray density.



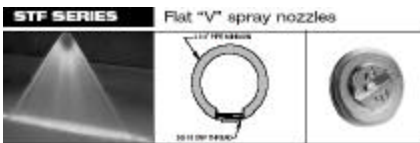
F-Series Solid Stream has a high impact glass rod like stream available with **Ruby orifice** for **trim squirt or wire/fabric cleaning** and application requiring maximum impact.



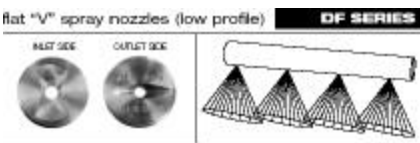
FL-Series delivers a wide, flat fan-shaped spray with low impact. The spray is deflected 75° away from the centre line of the pipe connection. Ideal for end deckle lube/rinsing and fourdrinier table edge cleaning.



FP-Series delivers a flat thin fan-shaped spray with sharp definition on all edges. This spray delivers a very high impact over the area covered.



STF-Series spray nozzles produce a flat, fan-shaped pattern similar to F-Series. Spray angles are available for a 0° solid stream to 90°, measured at 40 psi. These nozzles thread directly on 1-1/4 inch schedule 80 pipe. Spray density tapers off toward the outside of these sprays, to permit overlapping of spray patterns while maintaining uniform spray density.



DF-Series thin-disc low profile spray nozzles deliver a flat fan-shaped pattern similar to F-series and are used where the nozzle must not project beyond the wall of the header pipe. Minimum recommended pipe size is 1 inch schedule 80. Optimum thread engagement occurs on pipes of 1-1/4 inch schedule 80 or larger.



WA-Series are available in flat fan and solid stream (0 degree) models. These self-cleaning nozzles reduce shower maintenance. By reducing the supply pressure, an internal piston retracts to purge any accumulated fibers and other suspended solids.



WN-Series spray nozzles are engineered to deliver a high impact glass rod like solid stream available with **Ruby orifice** for effective wire/fabric and suction roll cleaning and other applications requiring flow control and precision delivery of the nozzle stream.



T-Series Eductors use a unique venturi design, which enables smaller pumps to circulate large volumes of tank solution. The eductor will circulate 4-5 gallons of solution for every gallon pumped. Eductors are commonly used for mixing chemicals, suspending solids, adjusting pH, sweeping debris or sludge to a filter intake. Another valuable application for eductors is to quickly heat water or other liquid by direct injection of steam.



WF-Series spray nozzles that produce a flat, fan-shaped spray, similar to F-Series and a high impact glass rod-like solid stream. Designed to work in a number of available brush or brushless shower headers where a replaceable disc type nozzle is required. Both nozzle configurations are self-aligning and the back protruding design permits the nozzle to be cleaned from inside the SHOWER USING OSCILLATING OR ROTATING BRUSHES. Also available WITH RUBY ORIFICE for effective wire/fabric and suction roll cleaning as well as other applications requiring flow control and precision delivery of the nozzle stream.

Other Applications:

- ✓ Air Atomizing Nozzles > JPL series
- ✓ Eductors > T series
- ✓ Steam Spargers > T series
- ✓ Tank Washing Fixed or Rotary Nozzles > TWA, TWK series



SEE REVERSE



*For all your
papermaking and mill
applications, please
refer to this guide for
common shower
positions and the typical
nozzle selections.*

*The GLENCO team is trained
and experienced in the
optimization of papermachine
systems and offer you the
best, most cost-effective
equipment and supplies –
helping the papermaker to
achieve his business and
operational goals.*

*The GLENCO team can assist
you with specification,
installation and application
of all GLENCO products.*

*GLENCO is always available,
24/7, 365 days a year.*

*Simply put, GLENCO is here
to serve you – anytime,
anywhere.*

The standard nozzle material is 316SS. Other alloys are available. If you don't see the nozzle you require, please don't hesitate to contact us. Chances are that we have it available.

Wet End Shower Positions:

- ✓ High Pressure Outside Fabric Shower > **WA, WN, WF, STF, DF** series
- ✓ Flooded Nip Shower > **F, FL** series
- ✓ High Pressure Inside Fabric Shower > **WA, WF, STF** series
- ✓ Inside Wire Return Roll Shower > **F** series
- ✓ Outside Wire Return Roll Shower > **F** series
- ✓ Head Box Apron Cleaning Shower > **F** series
- ✓ Breast Roll Lubrication Shower > **F** series
- ✓ High Pressure Top Wire Shower > **WA, WN, WF, STF, DF** series
- ✓ Dandy Roll Shower > **WA, WN, WF, STF, DF** series
- ✓ Head Box shower > **TWA, TWK** series
- ✓ High Pressure Couch Roll Cleaning Shower > **WA, WN, WF, STF, DF** series
- ✓ Lump-breaker Roll Shower > **F, FL, FP** series
- ✓ Forming Roll Shower > **F, FL, FP** series
- ✓ Wash Roll Knock-off Shower > **F, FL, FP** series
- ✓ Trim Knock-off Shower > **F, FL, FP** series
- ✓ Sheet Knock-off Shower > **F, FL, FP** series
- ✓ Chemical Dispersion Shower Formation Shower > **F, FL** series
- ✓ Forming Cylinder High Pressure Shower > **WA, WN, WF, STF, DF** series

Press Section Positions:

- ✓ High Pressure Outside Felt Shower > **WA, WN, WF, STF, DF** series
- ✓ High Pressure Inside Felt Shower > **WA, WN, WF, STF, DF** series
- ✓ Suction Press Roll Shower > **WA, WN, WF, STF, DF** series
- ✓ Suction Pick-up Shower > **WA, WN, WF, STF, DF** series
- ✓ Uhle Box Lubrication Shower > **F, FL** series
- ✓ Outside Wetting Shower > **F, FL** series
- ✓ Chemical/Flooding Shower > **F, FL** series
- ✓ High Speed Grooved Roll Shower > **WA, WN, WF, STF, DF** series
- ✓ Low Speed Grooved Shower > **F, FL** series

Dryer Section Positions:

- ✓ Air (Air-Water) Shower > **JPL** series
- ✓ Low Pressure Chemical Shower > **F, FL** series
- ✓ Low Pressure Rinse Shower > **F, FL** series
- ✓ High Pressure Cleaning/Rinsing Shower > **F, FL, WF, STF, DF** series
- ✓ High Pressure Cleaning/Chemical Shower > **F, FL, WF, STF, DF** series
- ✓ High Pressure – Continuous Operation Shower > **WA, WN, WF, STF, DF** series
- ✓ High Pressure Zone Fabric Cleaning Shower > **WA, WN, WF, STF, DF** series



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