

Tanks and Reservoirs


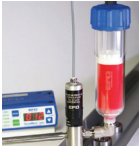





Nordson EFD reservoirs maintain steady fluid pressure to produce the most accurate, repeatable deposits possible.

Choose from a variety of options to meet your application needs. To learn more about the EFD systems used with these reservoirs and tanks, take a look at our valves and automated dispensing systems.



Tanks and Reservoirs Selection Guide

TANKS AND RESERVOIRS					
Type	 Syringe Barrels, in Clear, Amber, or Black	 Cartridge Retainer Systems with Regulators	 1/10 Gallon Retainer System with Regulator	 1L & 5L Precision Digital Gauge Tanks	 1L & 5L Analog Gauge Tanks
Volume	3cc–70cc (3–70 mL)	2.5 oz–32 oz (75–960 mL)	1/10 gal (300 mL)	1 liter & 5 liter (0.26 gal & 1.32 gal)	1 liter & 5 liter (0.26 gal & 1.32 gal)
Recommended Fluid Viscosity	All Fluids	All Fluids	Medium-to-High Viscosities	Low-to-Medium Viscosities (pourable / self-leveling)	
Air Pressure	—	0–1.0 bar (0–15 psi) 0–7.0 bar (0–100 psi)	0–7.0 bar (0–100 psi)	0–0.7 bar (0–10 psi) 0–7.0 bar (0–100 psi)	0–1.0 bar (0–15 psi) 0–7.0 bar (0–100 psi)
Float Switch	—	—	—	Optional	Optional
Features & Benefits	<ul style="list-style-type: none"> Limits fluid waste Reduces maintenance and cleanup Assembly fluids often come packaged in EFD syringe barrels Use for fluids with short shelf life 	<ul style="list-style-type: none"> Ideal for low-to-medium pressure dispensing from cartridges Clear retainer allows visual monitoring of fluid level Accepts cartridges 	<ul style="list-style-type: none"> Designed for use with pre-filled caulking tubes 	<ul style="list-style-type: none"> Digital gauge delivers exceptional full-to-empty fluid pressure control, regardless of input pressure fluctuations Accepts pre-filled 1-pound and 1-liter bottles or pourable fluids 	<ul style="list-style-type: none"> Maintains steady fluid pressure Accepts pre-filled 1-pound and 1-liter bottles or pourable fluids
Production Capacity	Low Volume	Low-to-Medium Volume	Low-to-Medium Volume	Medium-to-High Volume	Medium-to-High Volume



1.0 L Tank

5.0 L Tank

Precision fluid tank pressure control is essential to ensure consistent, accurate deposits from the dispense valve. EFD's precision regulator / digital gauge tanks offer exceptional full-to-empty fluid pressure control, regardless of input pressure fluctuations.

Available in 0–0.7 bar (0–10 psi) for low viscosity fluids and 0–7.0 bar (0–100 psi) for medium- to high-viscosity fluids.

Features and Benefits

- Precision fluid pressure regulation/digital readout for exact fluid pressure control
- Repeatability — from one shift to the next, precision regulator/digital gauge can be reset to exact pressure setting
- Tighter setting tolerances — pressures can be set to tenths of psi
- Fast response, robust pressure regulator

Precision Regulator / Digital Gauge Fluid Reservoirs

7013460 Tank

1.0 liter Tank with 0–0.7 bar (0–10 psi) regulator.

7013489 Tank

1.0 liter Tank with 0–7.0 bar (0–100 psi) regulator.

7013430 Tank

5.0 liter Tank with 0–0.7 bar (0–10 psi) regulator.

7013490 Tank

5.0 liter Tank with 0–7.0 bar (0–100 psi) regulator.

All necessary fittings and feed tubing are included with each Fluid Tank.

"I wanted to let you know how much your company has helped me. You have excellent products and a great support group."

– Puritan Bennet

Specifications

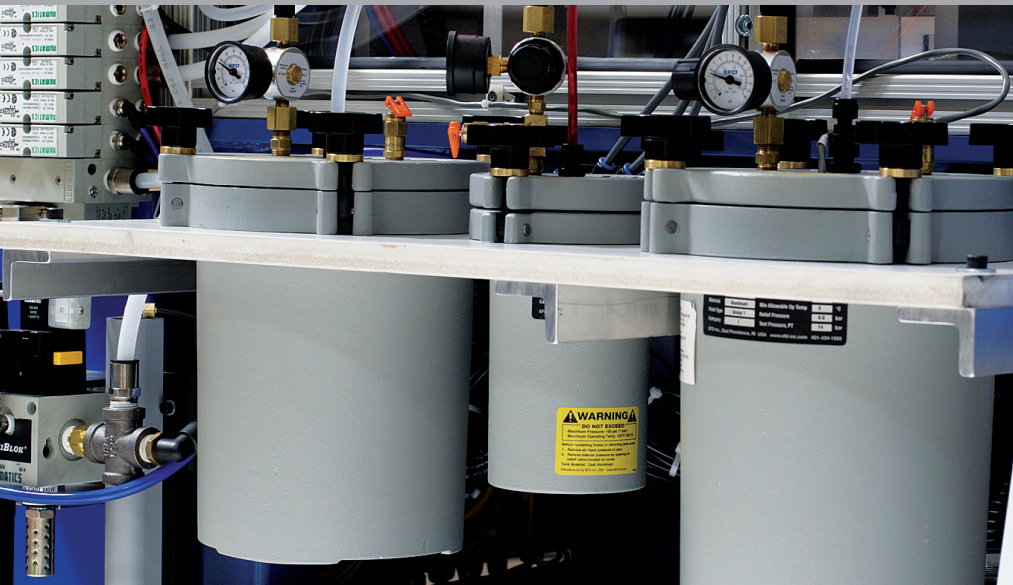
1.0 L Tank

Tank body:	Cast aluminum
Capacity:	1.0 L
Weight:	3.0 kg (6.60 lb)
Height:	350 mm (13.75")
Diameter (cover maximum):	172 mm (6.75")
Maximum operating pressure:	7.0 bar (100 psi)
Maximum operating temperature:	50° C (122° F)

5.0 L Tank

Tank body:	Cast aluminum
Capacity:	5.0 L
Weight:	9.1 kg (20.1 lb)
Height:	413 mm (16.25")
Diameter (cover maximum):	251 mm (9.85")
Maximum operating pressure:	7.0 bar (100 psi)
Maximum operating temperature:	50° C (122° F)

Tanks and Reservoirs



EFD fluid tanks maintain steady fluid pressure, prevent fluid contamination and evaporation, and contain fumes. Tanks are available with 0–1.0 bar (0–15 psi) or 0–7.0 bar (0–100 psi) constant-bleed air regulators to handle different fluid viscosities.

The air regulator is selected based on fluid viscosity. Watery fluids require the 0–1.0 bar (0–15 psi) regulator, while thicker fluids need the 0–7.0 bar (0–100 psi) regulator. Since tanks are charged by plant air, we recommend the 5-micron filter / regulator (#7002002) to filter contaminants.

Each fluid tank is shipped complete with constant-bleed precision air regulator and gauge, air hose with shutoff valve, liner, and fluid feed tubing.

Analog Gauge Tanks

7010004 615DTH Tank
1.0 liter tank with 7.0 bar (100 psi) regulator.

7020121 615DTL Tank
1.0 liter tank with 1.0 bar (15 psi) regulator.

7020186 626DTH Tank
5.0 liter tank with 7.0 bar (100 psi) regulator.

7020189 626DTL Tank
5.0 liter tank with 1.0 bar (15 psi) regulator.

7362776 5L Tank
5.0 liter tank with 7.0 bar (100 psi) regulator and capacitive level sensor.

Float Switches

7020109 Float Switch for 1L Tanks
Float switch can be used to indicate low fluid levels in 615DT tanks.

7020180 Float Switch for 5L Tanks
Float switch can be used to indicate low fluid levels in 626DT tanks.

7020115 Replaceable Liner for 615 Series
Set of four replaceable liners for 1.0 liter tanks.

7020182 Replaceable Liner for 626 Series
Set of four replaceable liners for 5.0 liter tanks.



**615 Series
1.0 Liter Tanks**
Accommodates one pound / one liter bottles.
Recommended for pourable fluids only.



**626 Series
5.0 Liter Tanks**
Fluid can be poured into the liner or the fluid container may be put into the reservoir for direct dispensing.

Specifications

615DTH / 615DTL Tanks

Tank body:	Cast aluminum
Replaceable liner:	Polyethylene (0.95 L capacity)
Inside diameter:	9.7 cm (3.82")
Inside depth:	17.4 cm (6.87")
Overall width:	17.3 cm (6.81")
Overall height:	35.6 cm (14.01")
Regulator & gauge:	615DTH: 7.0 bar (100 psi) 615DTL: 1.0 bar (15 psi)
Maximum operating pressure:	7.0 bar (100 psi)

626DTH / 626DTL Tanks

Tank body:	Cast aluminum
Replaceable liner:	Polyethylene (3.8 L capacity)
Inside diameter:	17.3 cm (6.81")
Inside depth:	24.8 cm (9.75")
Overall width:	28.3 cm (11.14")
Overall height:	40.6 cm (15.98")
Regulator & gauge:	626DTH: 7.0 bar (100 psi) 626DTL: 1.0 bar (15 psi)
Maximum operating pressure:	7.0 bar (100 psi)

World Leader in Precision Fluid Dispensing

Nordson EFD's worldwide network of experienced product application specialists are available to discuss your dispensing project and recommend a system that meets your technical requirements and budget.

Here are just a few things our customers have to say about working with us:

"We're producing better-looking parts in half the time."

– ECM Motor Co.

"Our product is critical. That's why our choice is EFD equipment."

– Ethicon Endo Surgery

"Your system has several benefits compared to what we used before. We're talking about 75% less consumption [of oil]."

– Gestamp Aveiro

"The quality of their product, as well as their knowledge and support, have been nothing short of excellent."

– Lorik Tool & Automation Inc.

"Better control means over \$50,000 in fluid savings annually."

– Mitsubishi

"It's not complicated. You set it up and it works."

– Texas Instruments

"Applications support from Nordson EFD has been exceptional. They are quick to respond & give us the information needed."

– Preh Ima Automation

"The quality of the packages that we put our products in matters. That's why we use EFD syringes and cartridges."

– Dymax



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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