

Siphon Strainer Assemblies

1. Introduction

Nordson siphon strainer assemblies filter the coating material supply, which prevents contaminants from entering the application system. Siphon strainer assemblies attach to a siphon rod.

2. Parts

Refer to the following parts lists for available siphon strainer assemblies, accessory groups, and optional equipment.

180C Pumps (16:1, 32:1) and 25B Pumps (2:1, 4:1)

[See Figure 1.](#) The following parts lists contain information about siphon strainer assemblies for 180C pumps (16:1 and 32:1 ratios) and 25B pumps (2:1 and 4:1 ratios).

Item	Part	Description	Quantity	Note
1	163 040	Siphon, strainer, 0.062 holes, no screen	1	A
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 050	Siphon, strainer, 0.009 screen	1	
2	941 200	• O-ring, hot paint, 1.00 x 1.188 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 051	Siphon, strainer, 0.012 screen	1	
2	941 200	• O-ring, hot paint, 1.000 x 1.188 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 052	Siphon, strainer, 0.015 screen	1	
2	941 200	• O-ring, hot paint, 1.00 x 1.188 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 053	Siphon, strainer, 0.020 screen	1	
2	941 200	• O-ring, hot paint, 1.00 x 1.188 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	247 236	Siphon, strainer, stainless steel, 0.062 holes, no screen	1	A
3	981 279	• Screw, thumb, 1/4-20 x 1.00 in., stainless steel	1	

NOTE A: This siphon strainer does not use the O-ring.

180D/360D Pumps and 32/64 Pumps

See Figure 1. The following parts list contains information about siphon strainer assemblies for 180D/360D and 32/64 pumps.

Item	Part	Description	Quantity	Note
1	249 355	Siphon strainer, with screw, stainless steel, 1 in. pipe, no screen	1	A
3	981 279	• Screw, thumb, $\frac{1}{4}$ -20 x 1.00 in., stainless steel	1	
NOTE A: This siphon strainer does not use the O-ring.				

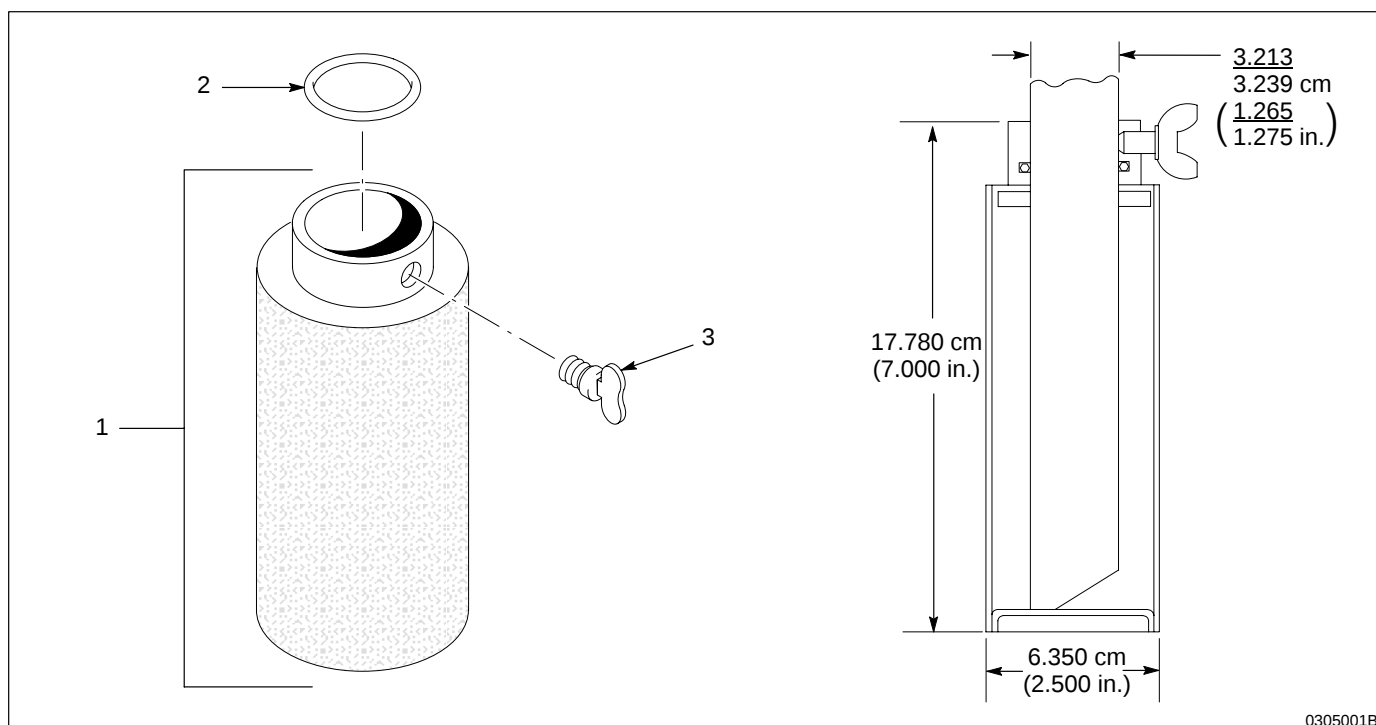


Fig. 1 Siphon Strainer Assemblies for 180C, 25B, 180D/360D, and 32/64 Pumps

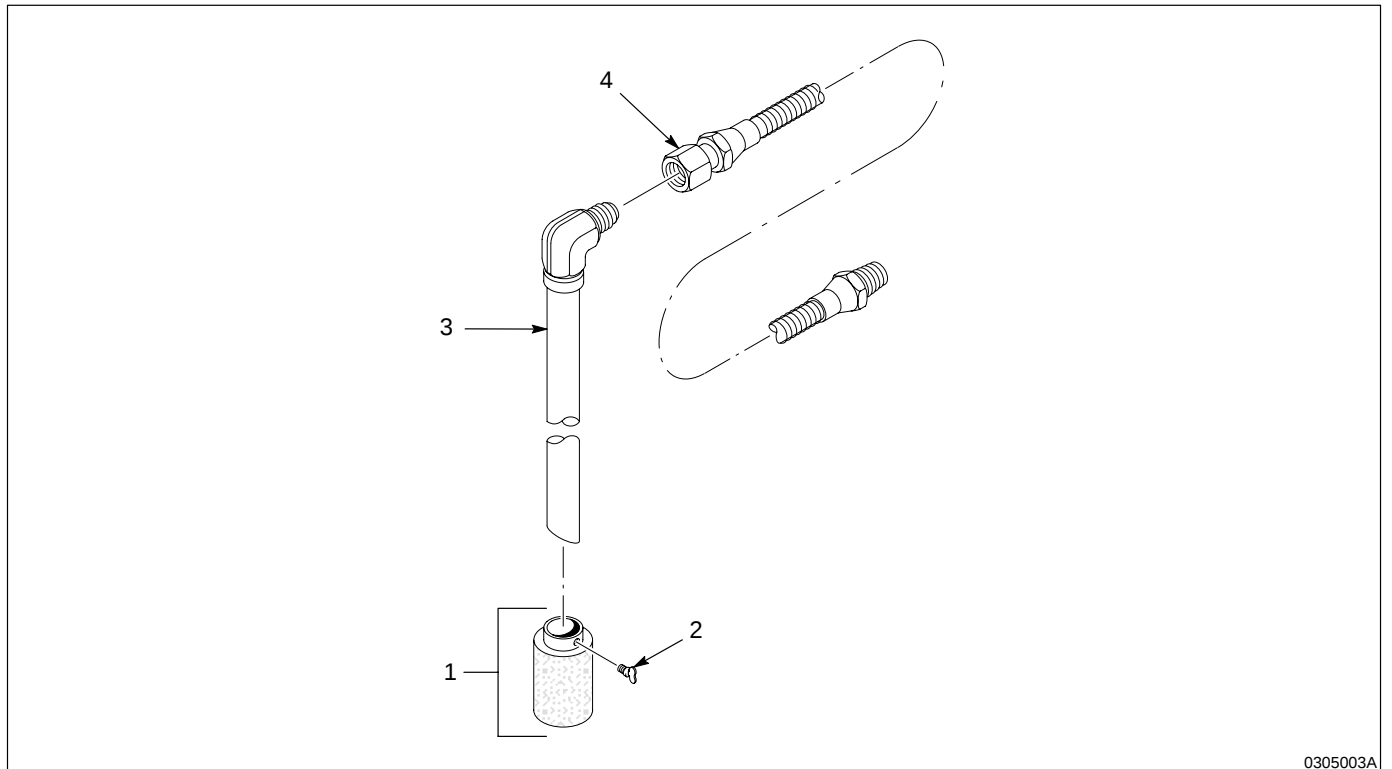
**Accessory Groups for
180D/360D and 32/64 Pumps**

See Figure 2. The following parts lists contain information about siphon strainer accessory groups for 180D/360D and 32/64 pumps.

Item	Part	Description	Quantity	Note
—	170 118	Accessory group, siphon, 1 in., stainless steel, no screen	1	
1	249 355	• Strainer, with screw, stainless steel, 1 in. pipe, no screen	1	
2	981 279	• • Screw, thumb, $\frac{1}{4}$ -20 x 1.00 in., stainless steel	1	
3	249 362	• Rod, siphon, stainless steel, 1 in. pipe	1	
4	249 364	• Hose, siphon, 1 in. ID, 8 ft, stainless steel	1	A
NS	900 256	• Fluid, type-K, pump chamber, 1 gal	1	

NOTE A: This hose has a $1\frac{5}{16}$ -12 thread female swivel fitting; a 1 in. NPT male pipe rigid fitting; and stainless steel inserts in the fittings.

NS: Not Shown



0305003A

Fig. 2 Stainless Steel 1-Inch Siphon Accessory Group

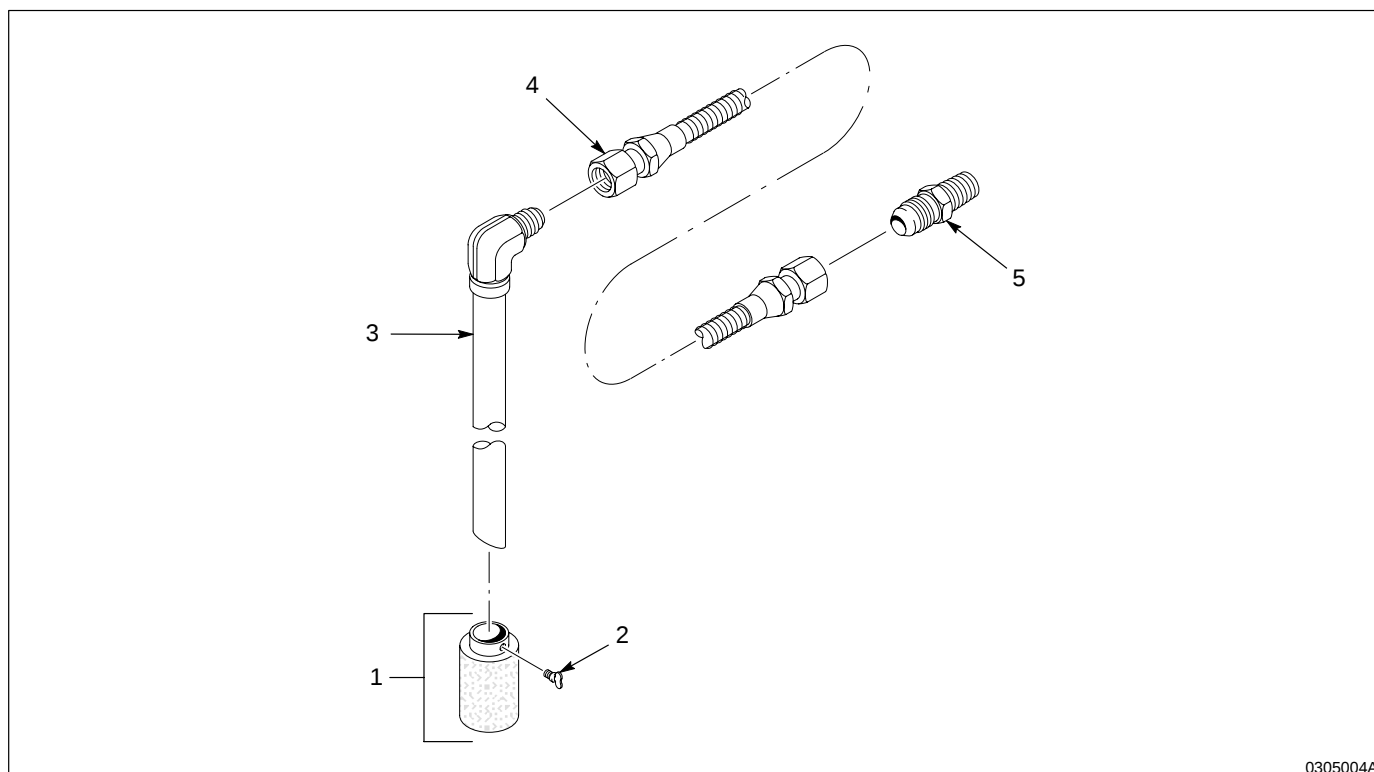
Accessory Groups for 180D/360D and 32/64 Pumps

(contd)

See Figure 3.

Item	Part	Description	Quantity	Note
—	170 120	Accessory group, siphon, 1 in., stainless steel, no screen	1	
1	249 355	• Strainer, with screw, stainless steel, 1 in. pipe, no screen	1	
2	981 279	• • Screw, thumb, $\frac{1}{4}$ -20 x 1.00 in., stainless steel	1	
3	249 362	• Rod, siphon, stainless steel, 1 in. pipe	1	
4	249 363	• Hose, siphon, 1 in. ID, 8 ft, stainless steel	1	A
5	972 724	• Connector, male, 37, $1\frac{5}{6}$ -12 x 1.00 in. stainless steel	1	
NS	900 256	• Fluid, type-K, pump chamber, 1 gal	1	

NOTE A: This hose has $1\frac{5}{6}$ -12 thread female stainless steel swivel fittings.
NS: Not Shown



0305004A

Fig. 3 Stainless Steel 1-Inch Siphon Accessory Group

**25B Pumps (16:1, 27:1) and
64B Pumps**

See Figure 4. The following parts list contains information about siphon strainer assemblies for 25B pumps (16:1 and 27:1 ratios) and for 64B pumps.

Item	Part	Description	Quantity	Note
1	163 020	Siphon, strainer, 0.062 holes, no screen	1	A, B
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 030	Siphon, strainer, 0.006 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 031	Siphon, strainer, 0.009 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 032	Siphon, strainer, 0.012 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 036	Siphon, strainer, 0.015 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 037	Siphon, strainer, 0.020 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 038	Siphon, strainer, 0.030 screen	1	
2	941 160	• O-ring, hot paint, 0.750 x 0.938 x 0.094 in.	1	
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	163 000	Siphon, strainer, 5-gallon pail mount, no screen	1	A
3	981 205	• Screw, thumb, 1/4-20 x 0.500 in.	1	
1	247 234	Siphon, strainer, stainless steel, 0.062 holes, no screen	1	A
3	981 279	• Screw, thumb, 1/4-20 x 1.00 in., stainless steel	1	
NOTE A: This siphon strainer does not use the O-ring.				
B: This siphon strainer is shipped with the drum mounting kit, part 245 553.				

**25B Pumps (16:1, 27:1) and
64B Pumps (contd)**

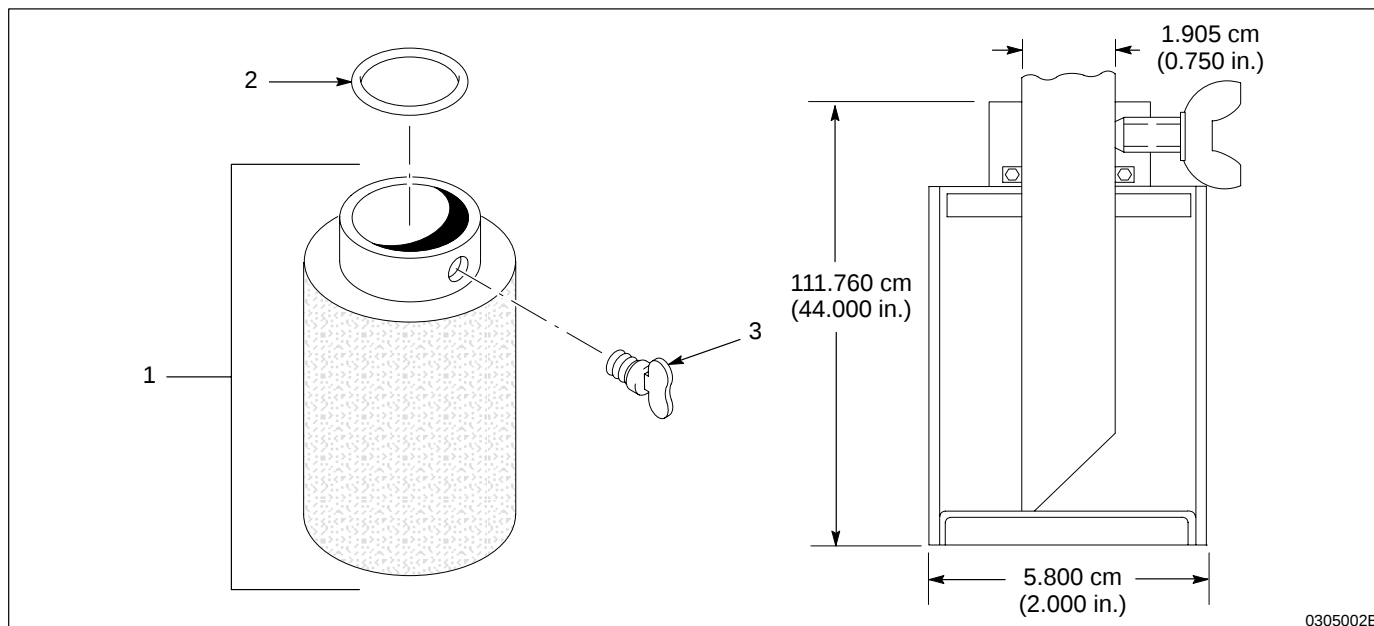


Fig. 4 Siphon Strainer Assemblies for 25B and 64B Pumps

Original copyright date 1983. Nordson and the Nordson logo are registered trademarks of Nordson Corporation.