Service Guide

7345
7346

High-Capacity Reel

Description

High-capacity reel models 7345 and 7346 are designed to handle high volume air, water, fuel and petroleum in service truck and stationary applications.

Operation

Each model reel is spring-powered and self-retracting. When the hose is extended, the reel can be latched on either of two ratchet sections per revolution of the sheave. A pull releases the latch from the ratchet and allows the hose to retract onto the reel.

WARNING

Do not exceed the lowest pressure rating of any component in the system.

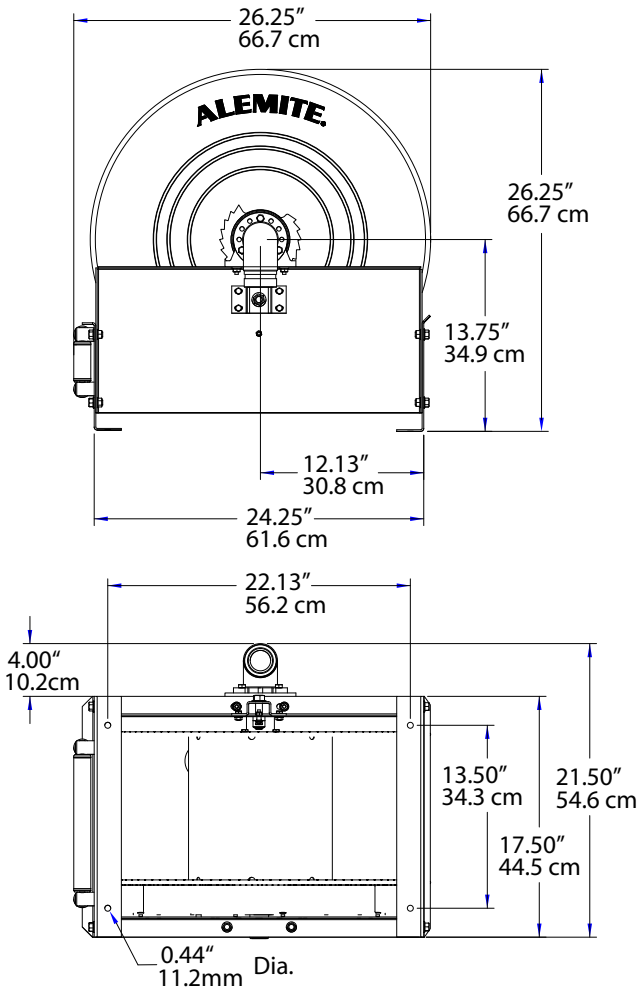
Never point a control valve at any portion of your body or another person. Lubricant discharged at high velocity can penetrate the skin and cause severe injury. Should any fluid appear to puncture the skin, get medical care immediately.

Ensure all components are in operable condition. Replace any suspect parts prior to operation. Personal injury can occur.

Hold the delivery hose securely until the reel is securely latched or fully retracted. Uncontrolled retraction can result in personal injury.

Reel Model	Delivery Hose Description	Maximum Length of Hose
7345	1 1/4 " ID x 1 3/4" OD	50 ft 15 m
7346	1 1/2 " ID x 2" OD	

Table 1 *Delivery Hose Capacity*



Reel Model	Inlet (Swivel)	Outlet	Reel Max. Pressure	
			psi	Bars
7345	1 1/2 " NPTF (f) with 2" Victaulic	1 1/4 " NPTF (f)	300	35
7346		1 1/2 " NPTF (f)		

Figure 1 *High-Capacity Reel Models 7345 and 7346*

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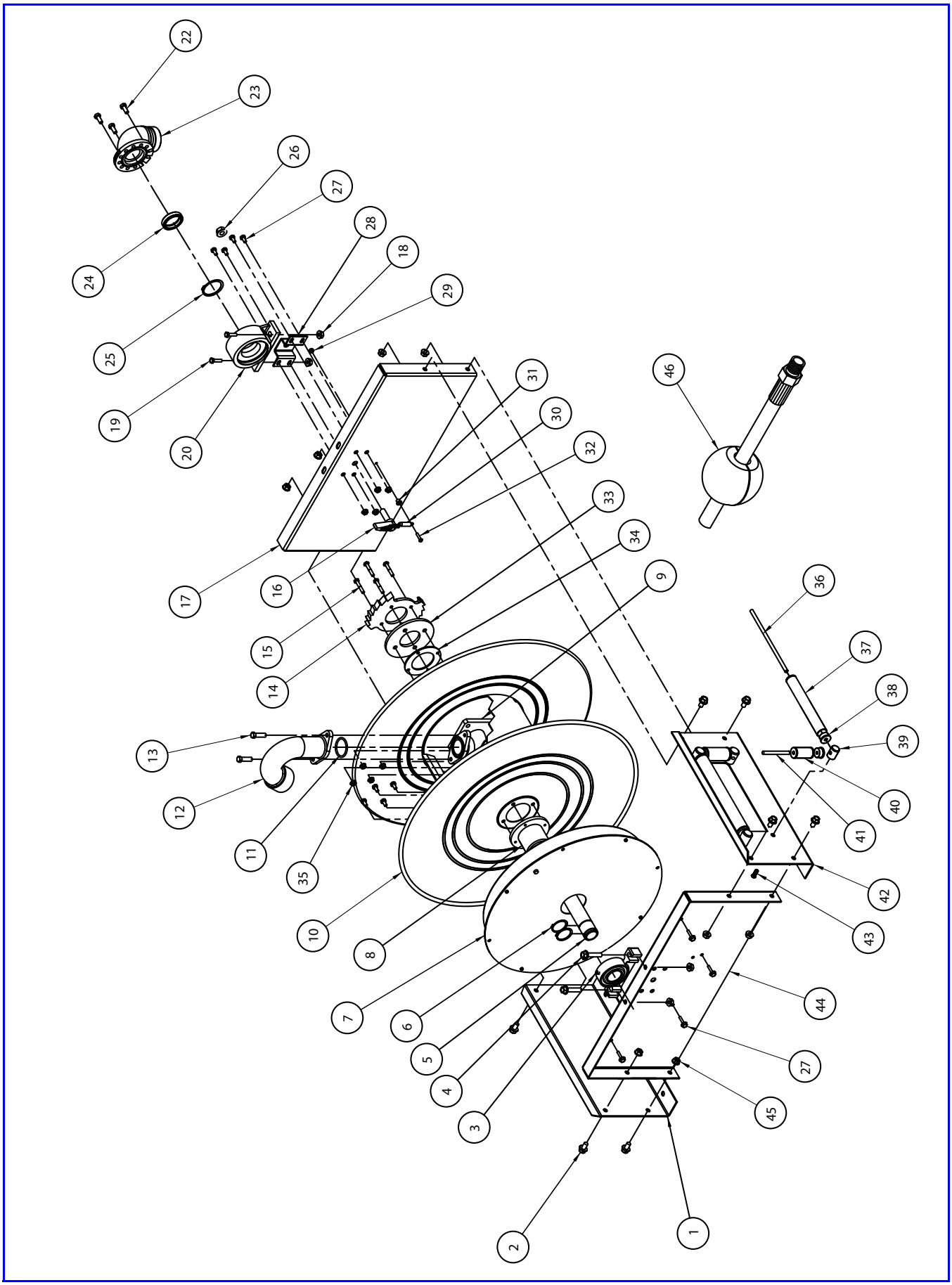

Figure 2 *High-Capacity Reel Models 7345 and 7346 - Exploded View*

Item No.	Part No.	Description	Qty	Notes
1		End Frame	1	
2		3/8-16 x 5/8” Screw	8	
3		Pillow Block Ass’y	1	
4		3/8-16 x 1 3/4” Screw	2	
5		Support Shaft	1	
6		Snap Ring	2	
7	393539-129	Power Spring Ass’y	1	
8		Spring Arbor	1	
9		Spindle	1	
10		Sheave Ass’y	1	
11	393539-130	O-Ring, Viton	1	
12		Outlet Riser, 1 1/4 NPTF (f)	1	Model 7345
		Outlet Riser, 1 1/2 NPTF (f)	1	Model 7346
13		3/8-16 x 1” Screw	2	
14		Latch Ratchet	1	
15		1/4-20 x 1 1/2” Screw	4	
16	393539-131	Latch Pawl Ass’y	1	
17		Side Frame	1	
18		5/16-18 Hex Nut	2	
19		5/16-18 x 1” Screw	2	
20		Bearing Housing Ass’y	1	
22		5/16-18 x 1” Screw	3	
23		90 ° Inlet Adapter 1 1/2” NPTF (f) with 2” Victaulic	1	
24	393539-132	Ring Seal, Viton	1	
25		Snap Ring	1	
26		1/2-20 Hex Nut	1	
27		1/4-20 x 1/2” Screw	12	
28		Latch Bracket	1	
29		10-32 Nyloc Nut	1	
30	393539-91	Latch Spring	1	
31		Latch Bushing	1	
32		10-32 x 7/8” Screw	1	
33		Support Washer	1	
34		Ratchet Spacer	1	
35		1/4-20 Hex Nut	12	
36		Guide Roller Pin	2	
37		Guide Roller Ass’y	2	
38		Guide Roller Bushing	8	
39		Guide Roller Post	4	
40		Guide Roller Ass’y	2	
41		Guide Roller Pin	2	
42		Roller Bracket Ass’y	1	
43		5/16-18 x 1/2”	4	
44		Side Frame	1	
45		3/8-16 Hex Nut	10	
46		Hose Stop (for 1 3/4” OD hose)	1	Model 7345
		Hose Stop (for 2” OD hose)	1	Model 7346

Legend: Part numbers left blank (or in *italics*) are not available separately

WARNING

Release all pressure within the system prior to performing any overhaul procedure. Personal injury can occur.

Do not attempt to disassemble the Power Spring Assembly. Personal injury can occur.

Read each step of the instructions carefully. Make sure a proper understanding is achieved before proceeding.

Installation

CAUTION

The base of the reel must be at a height no greater than 16 feet (4.9 m) from the floor to comply with the warranty.

Inlet Connection

CAUTION

Never connect rigid piping to the Swivel assembly. Damage to components can occur.

Threaded

1. Screw a connecting hose (with thread sealant) into Inlet Adaptor (23).
2. Attach the connecting hose to the supply line.

Victaulic

NOTE: Victaulic - Type swivel joint inlet connections must be carefully aligned. Two victaulic connections, correctly installed, allow adequate flexibility for smooth rotation.

1. Attach victaulic coupling to Inlet Adaptor (23) and supply line.
2. Adjust supply line to verify flexibility exists for proper alignment.

   NOTE: Failure to use flexible connector with any live reel will void warranty.

3. Lubricate Ring Seal (24) with NLGI2 lithium grease.
4. Insert Ring Seal into Inlet Adaptor.
5. Attach Inlet Adaptor to Bearing Housing Assembly (20) using three Screws (22).

Delivery Hose

6. Feed the inlet end of delivery hose through the guide assembly.
7. Connect the delivery hose (with thread sealant) to the outlet riser.

   HINT: Orient the hose to allow its natural curve to match the Sheave.

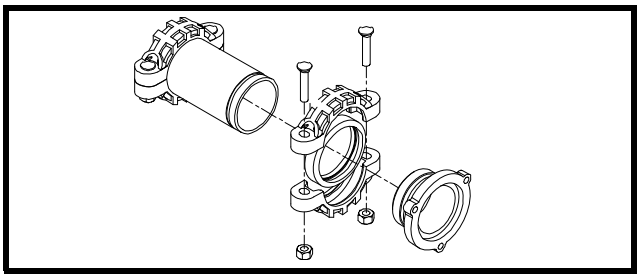

Figure 3 *Victaulic Connection*

This reduces torque load on the Power Spring Assembly and eliminates the tendency of the hose to stack on one side of the Sheave.

8. Rotate the Sheave Assembly (10) to coil the delivery hose onto it.
9. Install a control valve onto the delivery hose.
10. Pressurize the system.
    - Check for leaks.
11. Install and secure the Hose Stop (46) to the delivery hose at the desired position.

Spring Tension

12. Check to ensure the tension on the power spring is sufficient to properly hold the hose stop against the hose guide.

Should the power spring tension require adjustment:

CAUTION

Do not overwind the power spring. Too much tension reduces the life of the spring.

When the hose is fully extended from the reel, the power spring should be a minimum of 1/2 turn from a fully wound condition.

13. Release all pressure within the system.
14. Remove the control valve and the hose stop from the delivery hose.
15. Pull the free end of the delivery hose through the guide.
16. Rotate the Sheave Assembly in the required direction.
17. Install the control valve and the hose stop.
18. Pressurize the system.
19. Check to ensure the tension on the power spring is sufficient to properly hold the hose stop against the hose guide.
20. Repeat steps **13** - **20** until the proper tension is achieved.