

Hydraulic instructions for Spee-D-Flow 2.0 Overhead Seed Houses & Hopper Conversions

The pumping unit is rated for 2,100 psi, however, in most cases only 1000 psi is required. Do not use more pressure than is required to open and close the hopper doors.

The pumping unit is designed to use ATF fluid (automatic transmission fluid)

Pump Motor rotation looking at fan end is clockwise

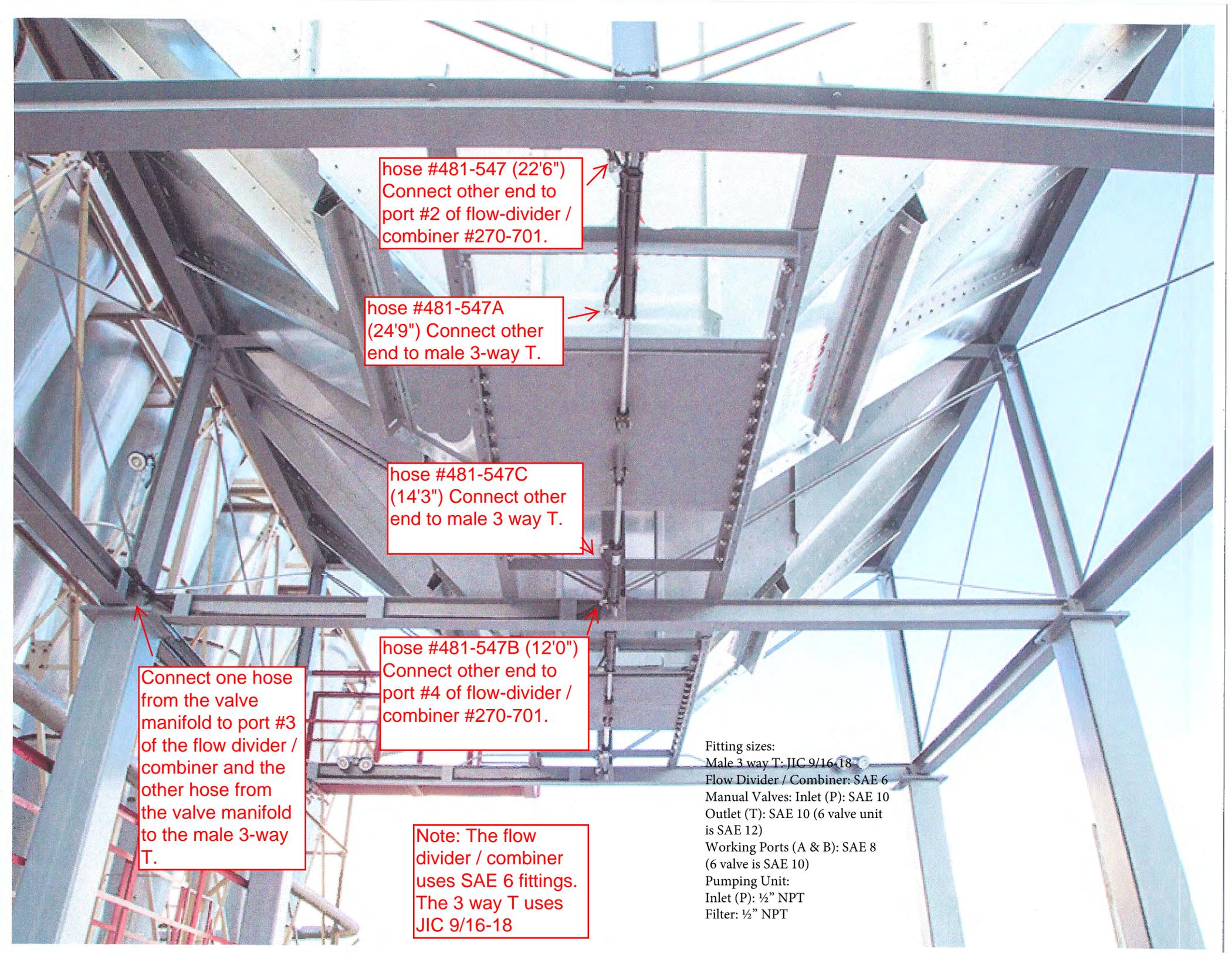
Hose - 3/8" SAE 100R2AT

Insert one connector #907-7601 into each of two ports on each cylinder

HOSE PART #	QT	HOSE LENGTH	HOSE INSTALLATION INSTRUCTIONS	HOSE ASSEMBLY DESCRIPTION
Hose assbly 481-547 - Provided by Cliff Granberry Corp.	1 per hopper	22' 6"	One of each of these hoses is to be used on each hopper. Connect one end of hose to port #2 of Flow divider-combiner #270-701 (to be located at a center column.) Connect the other end to the barrel end of the cylinder mounted the furthest from column.	(472-166 male Oring SAE 6 swivel) to (22' 6" hose) to (472-666 female 90 JIC 9/16-18)
Hose assbly 481-547A - Provided by Cliff Granberry Corp.	1 per hopper	24' 9"	One of each of these hoses is to be used on each hopper. Connect one end to connector #907-7777 (3 way T) (located at the same center column as the flow divider combiner.) Connect the other end to the rod end of the cylinder mounted the furthest from column.	(472-142 female JIC swivel 9/16-18) to (24'9" hose) to (472-666 female 90 JIC 9/16-18)
Hose assbly 481-547B - Provided by Cliff Granberry Corp.	1 per hopper	12'	One of each of these hoses is to be used on each hopper. Connect one end to port #4 of Flow divider-combiner #270-701 (located at a center column). Connect the other end to the barrel end of the cylinder mounted the closest to the center column.	(472-166 male Oring SAE 6 swivel) to (12' hose) to (472-666 female 90 JIC 9/16-18)
Hose assbly 481-547C - Provided by Cliff Granberry Corp.	1 per hopper	14' 3"	One of each of these hoses is to be used on each hopper. Connect one end to connector #907-7777 (3 way T) (located at center column.) Connect the other end to the rod end of the cylinder mounted the closest to the center column.	(472-142 female JIC swivel 9/16-18) to (14'3" hose) to (472-666 female 90 JIC 9/16-18)

Varies according to each installation

Customer to provide these hoses 2 One hose goes from pumping unit to manual valve and the other hose goes from manual valve back to pumping unit. Pumping unit fitting is male 1/2" NPT / Valve fitting is SAE 10 fitting (6 valve unit uses SAE 12)



hose #481-547 (22'6")
Connect other end to
port #2 of flow-divider /
combiner #270-701.

hose #481-547A
(24'9") Connect other
end to male 3-way T.

hose #481-547C
(14'3") Connect other
end to male 3 way T.

hose #481-547B (12'0")
Connect other end to
port #4 of flow-divider /
combiner #270-701.

Connect one hose
from the valve
manifold to port #3
of the flow divider /
combiner and the
other hose from
the valve manifold
to the male 3-way
T.

Note: The flow
divider / combiner
uses SAE 6 fittings.
The 3 way T uses
JIC 9/16-18

Fitting sizes:

Male 3 way T: JIC 9/16-18
Flow Divider / Combiner: SAE 6
Manual Valves: Inlet (P): SAE 10
Outlet (T): SAE 10 (6 valve unit
is SAE 12)
Working Ports (A & B): SAE 8
(6 valve is SAE 10)
Pumping Unit:
Inlet (P): ½" NPT
Filter: ½" NPT