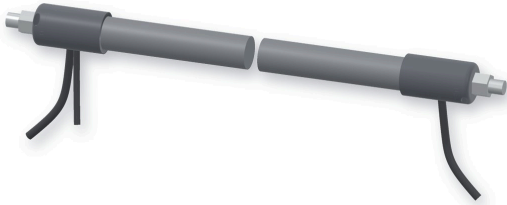


A 12 ft, 240 V heated hose for AD41 hand guns. 12 pin and 4 pin pump start connectors at the melter end, 9 pin round connector at the hand gun.



AD41 hand gun hose (illustration, not to scale)

Specifications

Hose type	AD41 hand gun hose
Length	12 ft
Voltage	240 V
Hose core (inside diameter)	5/16 in (#6)
Hydraulic fitting	9/16-18 JIC female, 11/16 in flats
Hose heater rating	27 W per ft (±5%)
Hose heater wattage	324 W nominal (12 ft)
RTD sensor	Ni120
Melter connector	12 pin plus 4 pin pump start
Applicator connector	9 pin round
Used on	AD41 hand guns

Connector faces



12 pin, melter end



4 pin pump start, melter end



9 pin round, hand gun end

- Gun heater ● Hose heater ● Gun sensor ● Hose sensor
- Shared sensor (RTD common) ● Switch ● Ground ○ Not used

Hose side faces, looking into the connector. The ground symbol on the 12 pin face is pin 7.

Assembly

- Melter connector, 12 pin
- Hose cuff, melter side
- Heated hose
- Hose cuff, applicator side
- Hose fitting
- Applicator connector, 9 pin round
- Pump start cord, 4 pin

Identify a hose by the connectors on each end. The melter end of every packaging, washdown and hand gun hose is the same 12 pin connector, so look at the applicator end first.

Connectors

- 12 pin, melter end: rectangular, 12 pins plus ground in four keyed pockets. HMSC connector body and shell.
- 4 pin pump start, melter end: second melter end connector for the pump start switch. Pump start on pins 1 and 4.
- 9 pin round, hand gun end: AD41 hand gun hoses only.

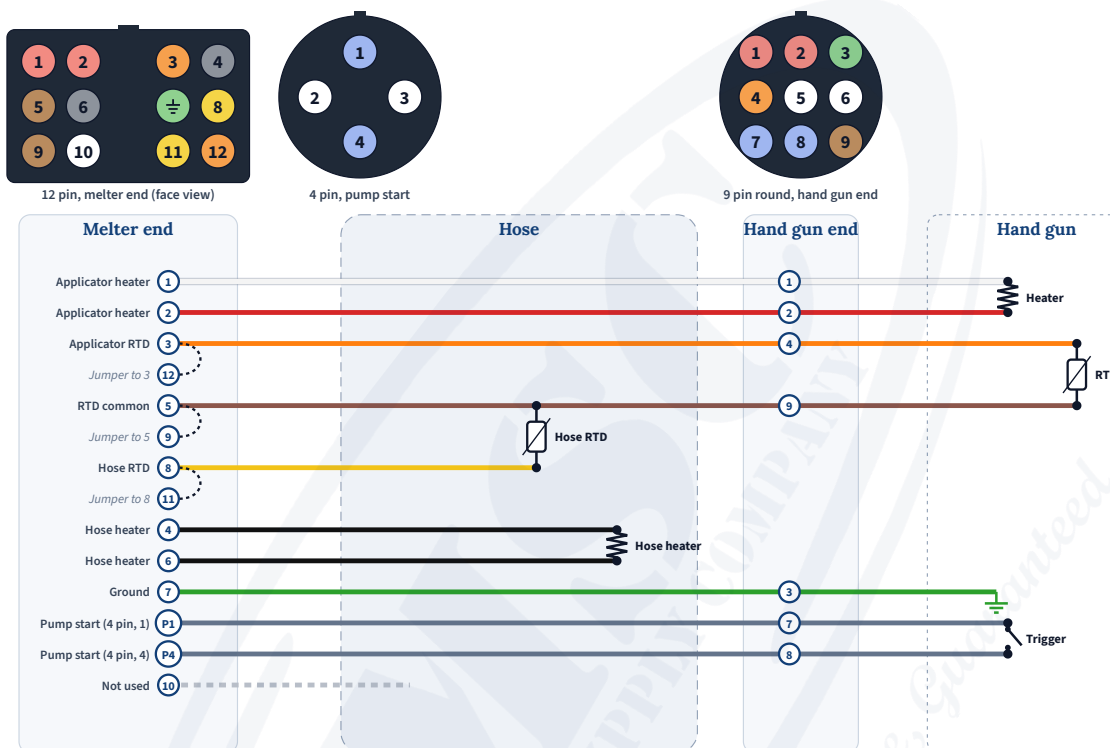
Hoses carry line voltage and hot adhesive under pressure. Lock out power, relieve system pressure and let the hose cool before disconnecting connectors or fittings.

We build hoses to order. For another length, voltage or connector, call 1-888-202-1788 or email sales@hotmeltsupplyco.com with the Nordson part number, or tell us the connectors on each end, length, voltage, hose diameter and sensor type.



Product page

Wiring diagram



Pinout

Melter pin	Hand gun pin	Function	Wire color
1	1	Applicator heater	White
2	2	Applicator heater	Red
3, 12	4	Applicator RTD	Orange
5, 9	9	RTD common	Brown
8, 11	In the hose	Hose RTD	Yellow
4	In the hose	Hose heater	Black
6	In the hose	Hose heater	Black
7	3	Ground	Green
4 pin cord, 1	7	Pump start (trigger)	
4 pin cord, 4	8	Pump start (trigger)	
10		Not used	
	5, 6	Not used	

Reading the diagram

- Melter end on the left, hand gun on the right.
- Dotted lines are jumpers inside the 12 pin connector: 12 to 3, 9 to 5, 11 to 8. Jumpers pins are listed together in the pinout.
- The hose heater and hose RTD wires end inside the hose.
- Pump start: pins 1 and 4 of the 4 pin cord run to the trigger on 9 pin 7 and 8.
- Connector faces are shown on page 1.

Hoses carry line voltage and hot adhesive under pressure. Lock out power, relieve system pressure and let the hose cool before disconnecting connectors or fittings.