

Automatic RTD Hoses

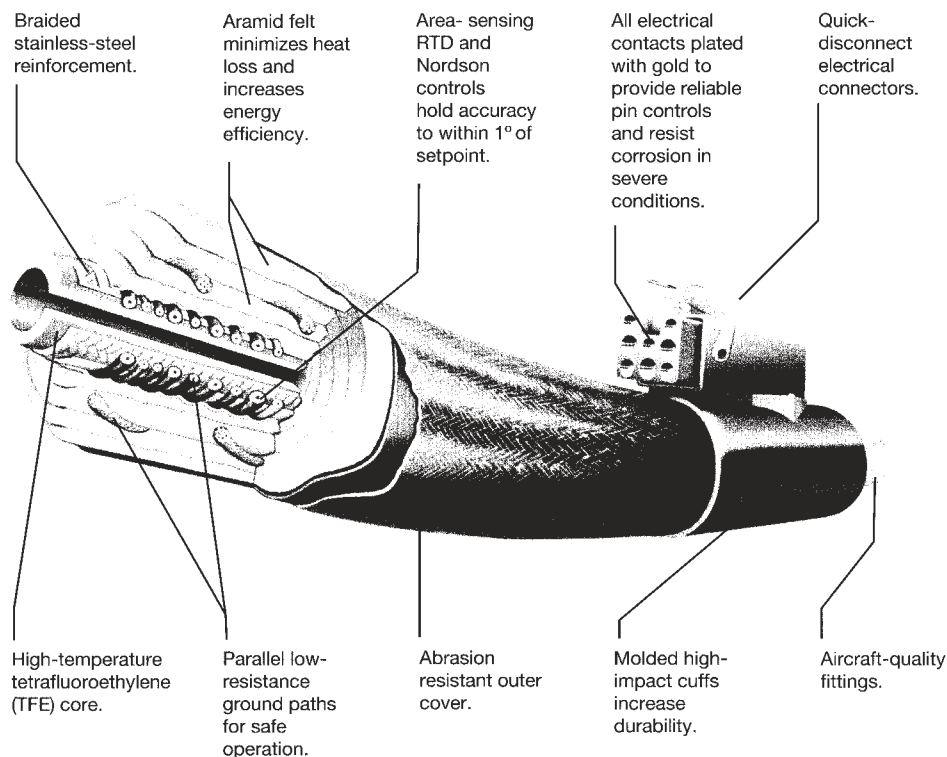
Nordson advanced-technology, RTD, hot melt hoses are the industry standard for consistent temperature control and safe operation.

Nordson Patented Automatic Hoses Feature:

- Nomex® aramid insulation protects system components
- Area sensing provides more accurate hot melt temperature readings
- Automated manufacturing process provides consistency and quality
- Four layers of overlapped insulation increase thermal efficiency, control heat loss, improve durability and reduce external temperature
- Parallel ground paths provides safe operation
- Meet UL, CUL, TUV, and CE approvals

Automatic hoses are available in three designs:

- Standard
- Waterwash (for beverage, dairy and general food processing)
- Hi-Flex (for robotic and articulated operations)



Hose Selection Matrix for LS, KB, AT, SS, and Meltex

			Lengths (Feet)											Cordset Length		Connector					
Grp	Hose Type	Series	2	4	6	8	10	12	16	20	24	26	38	Unit End	Gun End	Unit End	Gun End	ensor	Vol-t age	Hose Core	Melter
HC	Auto	25132		1014169	1014170	1014171	1014172	1014173						36"	20"	9 pin	9 pin	capillary	120	#6 (5/16)	LS
HC	Auto	26288		1014188	1014189	1014190	1014192	1014193	1014194				1014195	36"	20"	9 pin	9 pin	capillary	230	#6 (5/16)	LS
HC	Auto	26651			1014378	1014379	1014380							36"	20"	9 pin	9 pin	capillary	240	#6 (5/16)	LS
HC	Auto	26701		1014381	1014383	1014384	1014386	1014385						36"	20"	16 pin	9 pin	RTD	120	#6 (5/16)	KB, AT
HC	Auto	26702		1014388	1014389	1014390	1014391	1014392						36"	20"	16 pin	9 pin	RTD	200	#6 (5/16)	KB, AT
HC	Auto	26703	321770	321766	321767	321768	321769	321772	321773	321774	321775	321776	321777	36"	20"	16 pin	9 pin	RTD	240	#6 (5/16)	KB, AT
HC	Auto	26705		1014404	1014405	1014406	1014407	1014408	1014409	1014410	1014411	1014412		29"	29"	16 pin	9 pin	RTD	240	#6 (5/16)	KB, AT
HC	Auto	26713				1014413		1014415	1014416	1014397				36"	20"	16 pin	9 pin	RTD	240	#8 (13/32)	KB, AT
HC	Auto	26715				1014418								29"	29"	16 pin	16 pin	RTD	240	#6 (5/16)	KB, AT
HC	Auto	26716							1014420	1014421				29"	29"	16 pin	16 pin	RTD	240	#6 (5/16)	KB, AT
HC	Auto	26718				1014412		1014423						36"	31"	16 pin	9 pin	RTD	240	#4 (3/16)	KB, AT
OP	Trans	26309			1014196	1014197	1014198			1014199				36"		9 pin	n/a	capillary	240	#6 (5/16)	LS
OP	Trans	25144			1014174	1014175								36"		9 pin	n/a	capillary	120	#6 (5/16)	LS
	Trans	25508				1014177								72"	21"	14 pin	2 wires	ther- mistor	120	#8 (13/32)	n/a
	Trans	25684		1014180										72"		14 pin	n/a	ther- mistor	120	#6 (5/16)	LS
L1	Hand	26454			1014361	1014362		1014363	1014364					36"	6"	9 pin	fly leads	capillary	120	#6 (5/16)	LS
L1	Hand	26276				1022783			1022784					36"	6"	9 pin	fly leads	capillary	240	#6 (5/16)	LS

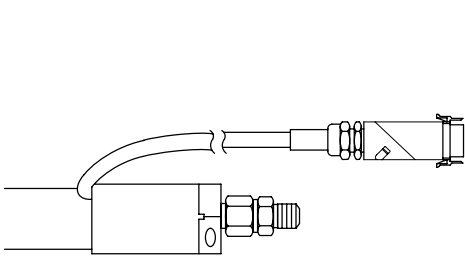
Hose Selection Matrix for LS, KB, AT, SS, and Meltex(contd)

			Lengths (Feet)											Cordset Length		Connector					
Grp	Hose Type	Series	2	4	6	8	10	12	16	20	24	26	38	Unit End	Gun End	Unit End	Gun End	Sensor	Vol-tage	Hose Core	Melter
L2	Hand	26269				1014186		1014187	1014393					36"	19"	9 pin	cord set	capillary	120	#8 (13/32)	SS
L2	Hand	26272				1014394		1014395	1014396					36"	19"	9 pin	cord set	capillary	240	#8 (13/32)	SS
L4	Hand	21260				1014136		1014137	1014139					36"	6"	9 pin	fly lead	capillary	120	#6 (5/16)	LS
L4	Hand	21262				1014142		1014143	1014144	1014145				36"	6"	9 pin	fly lead	capillary	240	#6 (5/16)	LS
L4	Hand	21261				1014140		1014141						36"	6"	16 pin	fly lead	RTD	120	#6 (5/16)	KB, AT
L4	Hand	21263				1014146	1014147	1014148	1014150		1014152			36"	6"	16 pin	fly lead	RTD	240	#6 (5/16)	KB, AT
L4	Hand	21268				1014151								36"	20" 6"	9 pin	2 pins + fly lead	capillary	120	#6 (5/16)	LS
L4	Hand	21270				1014163								36"	20" 6"	9 pin	2 pins + fly lead	capillary	240	#6 (5/16)	LS
L4	Hand	21269				1014154		1014161	1014162					36"	20" 6"	16 pin	2 pins + fly lead	RTD	120	#6 (5/16)	KB, AT
L4	Hand	21271				1014164		1014166	1014167					36"	20" 6"	16 pin	2 pins + fly lead	RTD	240	#6 (5/16)	KB, AT

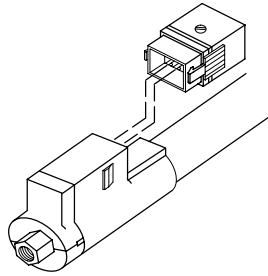
HOSES

RTD Hoses – Blue Series, 3000V & 3000 Melter Hoses

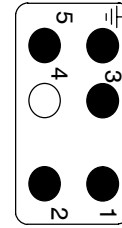
Hoses for Automatic Guns



Unit End



Gun End



Gun Plug End Standard Plug

240V, 5/16 in. diameter

Part Number	XChg Part Number	Hose Length
274790	X274790	0.6 m (2 ft.)
274791	X274791	1.2 m (4 ft.)
274792	X274792	1.8 m (6 ft.)
274793	X274793	2.4 m. (8 ft)
274794	X274794	3.0 m (10 ft.)
274795	X274795	3.6 m. (12 ft)
274796	X274796	5.0 m (16 ft.)
223836	X223836	6.0 m (20 ft.)
274797	X274797	7.4 m (24 ft.)

Hi-Flex Hoses, 240V, 5/16 in. diameter

(Distinguished by a blue nylon thread in the outer braided cover)

Part Number	XChg Part Number	Hose Length
107288	X107288	1.2 m (4 ft.)
107286	X107286	1.8 m (6 ft.)
107287	X107287	2.4 m (8 ft.)
107289	X107289	3.0 m (10 ft.)
107310	X107310	3.6 m (12 ft.)
104008	X104008	5.0 m (16 ft.)
223838	X223838	6.0 m (20 ft.)
100832	X100832	7.4 m (24 ft.)

Waterwash Hoses⁽¹⁾, 240V, 5/16 in. diameter

Round 6-pin plug required

(Cordset not compatible with AquaGuard[®])

Part Number	XChg Part Number	Hose Length
276739	X276739	0.6 m (2 ft.)
276740	X276740	1.2 m (4 ft.)
276741	X276741	1.8 m (6 ft.)
276742	X276742	2.4 m (8 ft.)
276743	X276743	3.0 m (10 ft.)
143300	X143300	3.6 m (12 ft.)
276744	X276744	5.0 m (16 ft.)
223837	X223837	6.0 m (20 ft.)
276745	X276745	7.4 m (24 ft.)

⁽¹⁾ Use with Nordson RTD-style H-21 handguns.

Waterwash⁽¹⁾ Hi-Flex Hoses, 240V, 5/16 in. diameter

Round 6-pin plug required

(Cordset not compatible with AquaGuard units)

Part Number	XChg Part Number	Hose Length
155183	X155183	1.2 m (4 ft.)
155184	X155184	1.8 m (6 ft.)
155185	X155185	2.4 m (8 ft.)
155186	X155186	3.0 m (10 ft.)
155187	X155187	3.6 m (12 ft.)
155188	X155188	5.0 m (16 ft.)
223839	X223839	6.0 m (20 ft.)
155189	X155189	7.4 m (24 ft.)

⁽¹⁾ Use with Nordson RTD-style H-21 handguns.

120V, Standard, 5/16 in. diameter⁽¹⁾

Part Number	Hose Length
307006	2.4 m (8 ft)
307007	3.6 m (12 ft)
307008	5.0 m (16 ft)
307009	6.0 m (20 ft)
307010	7.4 m (24 ft)

120V, Low Watt, 5/16 in. diameter⁽¹⁾

Part Number	Hose Length
309396	5.0 m (16 ft)
307016	6.0 m (20 ft)
309397	7.4 m (24 ft)

(1) Contact a Nordson representative to ensure that the system wattage available for hoses and guns on 120 V melters is not exceeded

Electric e.dot Hoses, 240V, 1/4 in. diameter

Part Number	hose Length
1040295	2.0 m (6.6 ft)
1056635	2.5 m (8.2 ft)
1040296	3.5 m (11.5 ft)
1040297	5.0 m (16.0 ft)

Blue Series, Series 3000 and 3000V, 6000 Melters, 130 and 190 Series FoamMelt[®] Processors

200V, Hi-Flex⁽²⁾ 5/8 in. diameter

Part Number	Hose Length
129566	1.2 m (4 ft)
129568	1.8 m (6 ft)
129569	2.4 m (8 ft)
129571	3.0 m (10 ft)
129572	3.6 m (12 ft)
129574	5.0 m (16 ft)

(2) Hi-Flex construction hoses must be used in moving gun applications. Contact a Nordson Representative for details about Nordson Hi-Flex hoses.

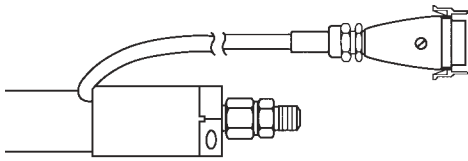
240V, Hi-Flex⁽²⁾, 5.8 in diameter

Part Number	Hose Length
129575	1.2 m (4 ft)
129576	1.8 m (6 ft)
129577	2.4 m (8 ft)
129578	3.0 m (10 ft)
129580	3.6 m (12 ft)
129581	5.0 m (16 ft)
1010811	6.0 m (20 ft)
1010813	7.4 m (24 ft)

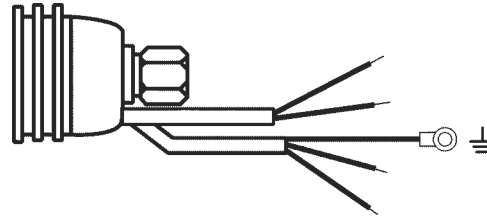
(2) Hi-Flex construction hoses must be used in moving gun applications. Contact a Nordson Representative for details about Nordson Hi-Flex hoses.

HOSES

RTD Hoses – Blue Series, 3000V & 3000 Melter Hoses *(contd)*



Unit End



Gun End

AD-31 Handgun Hoses (Corrugated cover), 240V, 5/16 in. diameter

Part Number	XChg Part Number	Hose Length
274798	X274798	2.4 m (8 ft.)
115833	X115833	3.0 m (10 ft.)
130785	X130785	3.6 m (12 ft.)
274799	X274799	5.0 m (16 ft.)
101354	X101354	7.4 m (24 ft.)

AD-31 Handgun Hoses (DuraBraid™ cover), 240V, 5/16 in. diameter

Part Number	XChg Part Number	Hose Length
133913	X133913	2.4 m (8 ft.)
138927	X138927	3.0 m (10 ft.)
1044277	X163140	3.6 m (12 ft.)
1044278	X132494	5.0 m (16 ft.)

AD-31 Handgun Hoses (DuraBraid cover) 120V, 5/16 in. diameter

Part Number	Length	
	m	Feet
1039676	2.5	8
1039677	3.6	12
1039678	5.0	16

AD-41 Handgun Hoses (DuraBraid cover), 5/16 in. diameter

Voltage	Part Number	XChg Part Number	Hose Length
240 Volt	325763	X325763	2.4 m (8 ft.)
	325764	X325764	3.6 m (12 ft.)
	325765	X325765	5.0 m (16 ft.)
	325766	X325766	6.0 m (20 ft.)
	325767	X325767	7.4 m (24 ft.)
120 Volt (High Performance)	307001	X307001	2.4 m (8 ft.)
	307002	X307002	3.6 m (12 ft.)
	307003	X307003	5.0 m (16 ft.)
	307004	X307004	6.0 m (20 ft.)
	307005	X307005	7.4 m (24 ft.)
120 Volt	325779	X325779	2.4 m (8 ft.)
	325780	X325780	3.6 m (12 ft.)
	325781	X325781	5.0 m (16 ft.)
	325782	X325782	6.0 m (20 ft.)
	325783	X325783	7.4 m (24 ft.)

NOTE: *DuraBraid covering provides better wear resistance. Use only with corrugated-type handguns.*

It is important to consider the wattage available for hoses and guns on 120 Volt PA-2510 applicators.

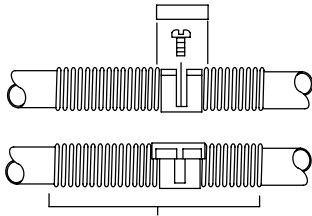
High performance hoses can achieve up to 450 °F.

The other 120 Volt hoses use less wattage to offer longer length hoses on systems running up to 375 °F.

Consult your Nordson Representative to ensure the system wattage available is not exceeded.

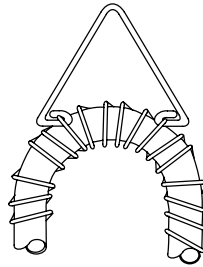
Hose Accessories

Hot Melt Automatic/Handgun Hose Mounting Accessories



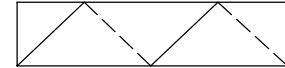
Service Kit
(part 111940)

Includes corrugated tube and clips used to route and fasten hoses.



Spiral Wire Support
(part 271486)

Use to properly suspend hoses. For 5/8 in. and 1-1/8 in. hoses, use part 274174.



Hose Protector
(part 273314)

Spiral-wrap chafe guard prevents point contact wear.

Accessories

The use of proper support brackets and correct installation techniques can significantly extend the life of Nordson hot melt hoses. Accessories are for 5/16 in. advanced-technology hoses unless otherwise noted.

Accessories	Part Number	Description	Comments
Mounting accessories	111940	Service kit	Molded corrugated tube and clips used to route and fasten hoses.
	271486	Spiral wire support	Use to properly suspend hoses. For 5/8" and 1 1/8" hoses, use part number 274174.
	273314	Hose protector	Spiral-wrap chafe guard prevents point contact wear.
	1034380	Leaf spring support (all widths)	
Insulating cuffs	273634	Insulated cuff, 64 mm (2.5 in.) long	Use to insulate joint connections between hose and melter.
	273635	Insulated cuff, 51 mm (2 in.) long	
	274429	Insulated cuff, 44 mm (1.75 in.) long	
	307000	Insulator fitting	Use with AD41 handguns.
Extension Cords	115576	Cord, hose, 0.6 m (2 ft), 6000, FM, 130/170	Hose extension cordsets compatible with TC200.
	115581	Cord, hose, 9.1 m (30 ft), 6000, FM, 130/170	

Other Hose Accessories

Part Number	Description
328967	Cable assembly, Vista, shield, 7.3 m (24) ft – Hose extension cordset compatible with 3000V.
902514	Heat protective gloves.
142512	Hose straps (hangers), 51mm x 356 mm (2 in. x 18 in).
142513	Hose straps (hangers), 51mm x 457 mm (2 in. x 14 in).
273634	Insulating cuff, 63 mm (2-1/2 in.) length. Use to insulate joint connections between hose and gun.
273635	Insulating cuff, 51 mm (2 in.) length. Use to insulate joint connections between hose and gun.
274429	Insulating cuff, 44 mm (1 3/4 in.) length. Use to insulate joint connection between hose and unit.
1024083	Insulated cuff, 90° fitting – Use to insulate joint connections between hose and gun.
1024084	Insulated cuff, 45° fitting – Use to insulate joint connections between hose and gun.
132998	Service kit, corrugated hose cover 5.2m (17 ft).

HOSES

Hose Accessories *(contd)*

Hot Melt Automatic/Handgun Hose Mounting Accessories

Other Hose Accessories

KB and LS Melter Hose Fittings

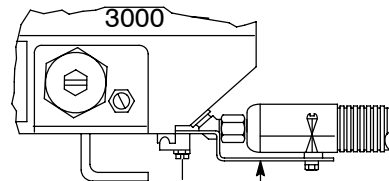
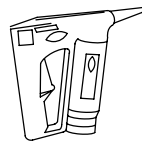
Part Number	Description
973137	LS10/20 and KB 10/20 from flow control valve to hose, KB 30/50/100 hose manifold to hose
1029243	LS 10/20 with filter block to hose, KB 10/20 with filter block or v3 or v4 with T block
1032999	From #6 hose to automatic gun 90° elbow
1028578	From #6 hose to automate gun 45° elbow
1034380	Mounting accessories – Leaf spring support (for all widths).

Multi-Plane Swivels (for Robotic applications)

Part Number	Description
139091	Gun swivel, SP, SAE – 6/elbow
139093	Hose swivel, SP, SAE–6/JIC – 6, 5/16 in, straight
139096	Hose swivel, SP, SAE–6/JIC–12, 5/8 in, straight

Hose Bracket Kits

Hose Installation Service Kits

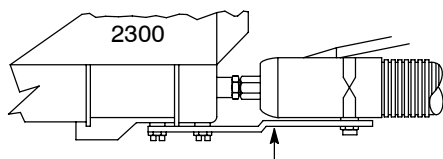


P/N 133644 Bracket Kit –
for Series 3000 tank end Handguns

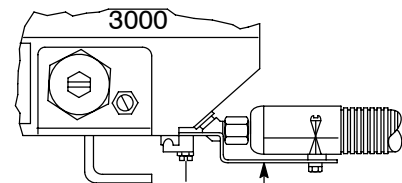
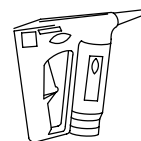
Part Number	Description
139672	Service kit, for unit end hose connection plug, includes crimp pliers.
169625	Service kit, for unit end hose connection plug, does not include crimp pliers.

Part Number	Description
139675	Service kit, for gun end hose connection sockets, includes crimp pliers.
169624	Service kit, for gun end hose connection sockets, does not include crimp pliers.

Handgun Hoses



Bracket Kit for 2300 Melters
P/N 276318

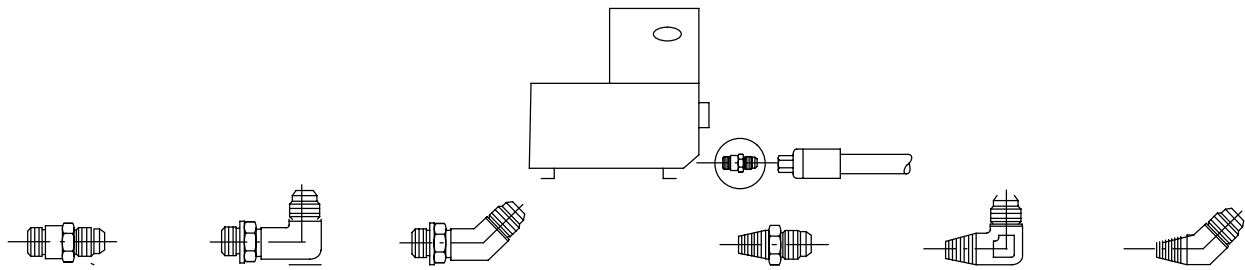


Bracket Kit for 3000 Melters
P/N 133644

5/16 inch Handgun Hoses	Part Number	Description	Comments
Brackets	133644	Bracket kit, handguns	Series 3000, tank end
	276318	Bracket kit, handguns	Series 2300, unit end

Hose Fittings

Melter-End Hose Fittings



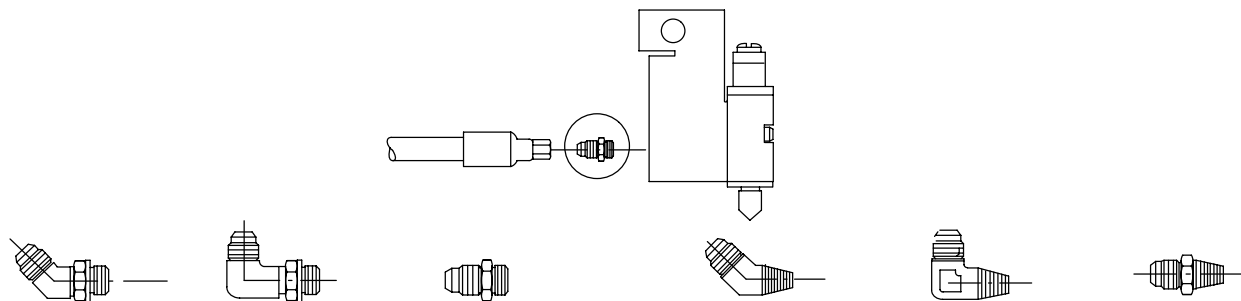
**O-Ring Fitting
(2000, 2300, 3000, 6000)**

Straight	90 degrees	45 degrees
972628	972646	972647

**Pipe-Thread Fitting (NPT),
Obsolete (Roman Numeral Units Only)**

Straight	90 degrees	45 degrees
972051	972200	972618

5/16 in. Gun-End Hose Fittings (included with guns)



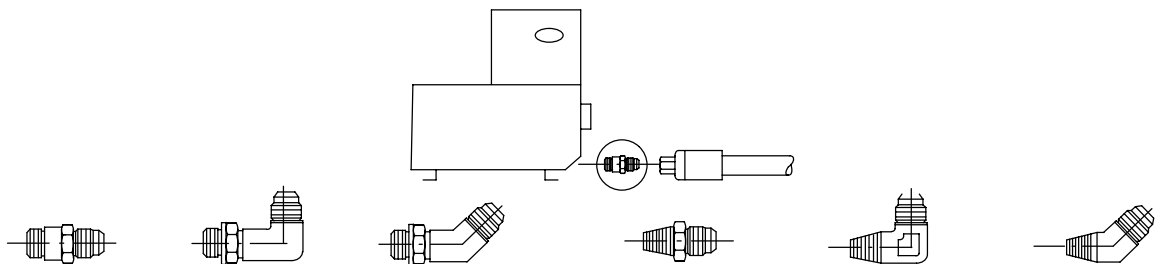
O-ring Fitting

45 degrees	90 degrees	Straight
274179	274180	972657

Pipe-thread Fitting (NPT)

45 degrees	90 degrees	Straight
972618	972200	972051

5/16 in. Applicator-End Hose Fittings (included with units)



O-ring Fitting

	Straight	90 degrees	45 degrees
Long	972628	972646	972647
Short	310281	274180	274179

Pipe-thread Fitting (NPT)

Straight	90 degrees	45 degrees
972051	972200	972618

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