

FlexHead® Duct Unit Ordering Guide

CUSTOMER COMPANY NAME: _____

CUSTOMER CONTACT NAME: _____ **CUSTOMER EMAIL:** _____

DUCT HOSE TYPE AND INFORMATION: Check all those that apply

<input type="checkbox"/> 1000 Series Fiberglass Reinforced Plastic (FRP) Duct HOSE LENGTH: <input type="checkbox"/> 24in <input type="checkbox"/> 36in <input type="checkbox"/> 48in OUTLET SIZE: <input type="checkbox"/> 1/2" DUCT SIZE: <input type="checkbox"/> 20" Round Duct		
<input type="checkbox"/> 1100 Series Steel Duct HOSE LENGTH: <input type="checkbox"/> 24in <input type="checkbox"/> 36in <input type="checkbox"/> 48in OUTLET SIZE: <input type="checkbox"/> 1/2" <input type="checkbox"/> 3/4" <input type="checkbox"/> 1" DUCT SIZE: <input type="checkbox"/> Flat for Square Duct <input type="checkbox"/> Round – Choose Diameter: _____ (2" to 98" in 2" increments)		
<input type="checkbox"/> 1200 Series Polypropylene Duct HOSE LENGTH: <input type="checkbox"/> 24in <input type="checkbox"/> 36in <input type="checkbox"/> 48in OUTLET SIZE: <input type="checkbox"/> 1/2" DUCT SIZE: <input type="checkbox"/> Flat for Square Duct <input type="checkbox"/> Round – Choose Diameter: _____ (2" to 98" in 2" increments)		
<input type="checkbox"/> 1300 Series PVC Duct HOSE LENGTH: <input type="checkbox"/> 24in <input type="checkbox"/> 36in <input type="checkbox"/> 48in OUTLET SIZE: <input type="checkbox"/> 1/2" DUCT SIZE: <input type="checkbox"/> Flat for Square Duct <input type="checkbox"/> Round – Choose Diameter: _____ (2" to 98" in 2" increments)		

SPRINKLER INFORMATION: Check all those that apply

<input type="checkbox"/> No Sprinkler Head Required – To be installed by the contractor.	
<input type="checkbox"/> Standard 1/2" 5.6 k-Factor Pre-Installed Sprinkler Head 155°F: <input type="checkbox"/> Viking VK102 Wax Bulb (-P-155) 200°F: <input type="checkbox"/> Viking VK102 Wax Bulb (-P-200) 165°F: <input type="checkbox"/> Viking VK110 Wax Link (-P-165) 212°F: <input type="checkbox"/> Viking VK102 Wax Bulb (-P-212) 175°F: <input type="checkbox"/> Viking VK102 Wax Bulb (-P-175) 286°F: <input type="checkbox"/> Viking VK110 Wax Link (-P-286) <i>Installed and leak tested by ASC Engineered Solutions.</i>	
<input type="checkbox"/> Sprinkler Head Provided by Customer (-PIH) Sprinkler Information: _____ <i>Heads to be shipped to ASC by the customer. Installed and leak tested by ASC Engineered Solutions.</i>	

GASKET & POLY BAG INFORMATION: Choose one

<input type="checkbox"/> EPDM Gasket with Double Layered Poly Bag	<input type="checkbox"/> Viton Gasket with Double Layered Poly Bag
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SPECIAL INSTRUCTIONS:

IMPORTANT INFORMATION:

1. Duct Units are FM approved for 175psi with a 7in minimum bend radius.
2. Duct Units come with a 1" NPT inlet.
3. All Duct Units are leak tested prior to shipment.
4. Duct Units sold with a Top Assembly & a Bottom Assembly. Replacement parts sold separately.
 - Top Assembly Figure Numbers: 1000-TA, 1100-TA, 1200-TA, 1300-TA
 - Bottom Assembly Figure Numbers: 1000-BA, 1100-BA, 1200-BA, 1300-BA
 - Top Assembly Contains:
 - 304SS Flexible Corrugated Braided Hose
 - Top Block
 - Gasket & Poly Bag
 - Pre-Installed Sprinkler Head (Optional)
 - Bottom Assembly Contains:
 - Lower Mounting Block
 - Four (4) Flat Washers
 - Four (4) Hex Nuts

Series 1000, 1100, 1200, & 1300 FM Approval (Listing) per FM 1637

Assembly Length	Equivalent Length per Sprinkler Size & k-Factor					Max # of 90° Bends	FlexHead Historical Model Numbers
	1/2" k = 5.6	3/4" ⁵ k = 8.0	3/4" ⁵ k = 11.2	3/4" ⁵ k = 16.8	1" ⁵ k = 22.0		
in	ft/m	ft/m	ft/m	ft/m	ft/m		
24	27.2 8.3	7.7 2.3	14.7 4.5	7.1 2.1	7.1 2.1	2	1024, 1124, 1224, 1324
36	31.3 9.5	16.9 5.1	21.6 6.5	22.0 6.7	10.9 3.3	3	1036, 1136, 1236, 1336
48	39.1 11.9	29.3 8.9	30.6 9.3	30.8 9.3	14.8 4.5	4	1048, 1148, 1248, 1348

1. Equivalent Length of NPS 1 (DN25) Sch 40 Pipe.
2. Equivalent Lengths listed above assume the maximum number of 90° bends.
3. A 90° bend can be achieved with two 45° bends or three 30° bends.
4. FM Equivalent Lengths listed above include the Friction Loss of the Sprinkler.
5. Only the 1100 Series Metal Duct Units are FM Approved with 3/4" & 1" Sprinkler Heads

Each FM-approved, ready-to-install sprinkler system is pressure- and leak-tested prior to shipping and comes complete with a flexible stainless-steel hose, reducing coupling integrated into top mounting flange, manufacturer applied wax coated sprinkler head, gasket with dual poly bag assembly and bottom mounting block.

