

PRODUCT BULLETIN

H735 *flexi-Line*

The Synthetic Refrigeration Hose

Introduction

These synthetic hoses are designed for pressure measuring connections. They provide, for example, a very flexible connection between a refrigerant compressor and pressure controls. The hoses can be used for all non-corrosive refrigerants including R134a, R22, R404a, R407c and R410A with pressures within the maximum pressure range of the hose. Hoses are tested with common compressor oils in combination with above mentioned refrigerants.

Description

The synthetic hoses consist of a seamless PA compound inner layer reinforced with a braided layer of high performance synthetic fibre. This reinforcement is protected by an oil, weather and abrasion resistant Polyester Elastomer Compound. The standard assembly length is 0,9 meter with one straight and one elbow 90 degree hose fitting. The fitting connection is 1/4" metal tube with 7/16"-20 UNF swivel nut connection suitable for 1/4" SAE male flare. Other lengths and/or fitting connections configurations (Style 50, 51 straight or elbow) are available on request (quantity orders only).



Series H735 *flexi-Line*
The Synthetic Refrigeration Hose

The hoses are bulk packed in quantities of 100 pcs. Each package is including copper washers. These washers must be renewed after each disconnection of the hose. The hoses are according to the Dutch STEK regulations.

Feature and Benefits

<input type="checkbox"/> Very flexible	Easy installation
<input type="checkbox"/> Low minimum bend radius (30 mm)	Can be installed in confined places
<input type="checkbox"/> One straight and one 90° elbow pressure connection	Easy installation.
<input type="checkbox"/> Polyester Elastomer Compound construction	No breakage due to vibration, shock nor abrasion
<input type="checkbox"/> High pressure safety ratio	Safe in use
<input type="checkbox"/> Low effusion	Better than SAE J51 and EN 1736 standard

Ordering information

Order number	Hose length	Pressure connections
H735AA-90D	0,9 m	1 x Straight 7/16"-20 UNF nut connection suitable for 1/4" Male flare 1 x 90° elbow 7/16"-20 UNF nut connection suitable for 1/4" Male flare

Dimensions

Internal hose diameter: 2 mm

External hose diameter: 6 mm

Optional Constructions

For quantity orders (min.500 pcs) it is possible to obtain different lengths and pressure fitting configurations (Style 50 or Style 51,elbow or straight). Please contact your Johnson Controls representative.

Accessories (order separately)

Additional seal rings can be ordered separately in quantities of 250 pcs.



Fig.1

Copper seal rings for Style 50/51
Order number **KIT034N600**

Specifications

Product	H735 Synthetic refrigeration hose	
Pressure Connection	One end straight and one end elbow 90°	
Inside Diameter	2 mm	
Outside Diameter	6 mm	
Temperature Range	-40 to 100°C (-40 to 212°F)	
Max. Operating Pressure	60 bar	
Min. Burst Pressure	800 bar	
Fittings	1/4 " SAE female flare connector	
Material	Inner layer	Seamless PA compound
	Outer layer	Weather and abrasion resistant Polyester Elastomer compound
	Fittings	9SMnPb28K according to DIN 1651
Effusion rate	Better than SAE J51 and EN1736 standard	
Bend radius	30 mm minimum	

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office or representative. Johnson Controls shall not be liable for damages resulting from misapplication or misuse of its products.



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