

Burgaflex		Burgaflex AC Hose Specification			
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1 Scope

This engineering specification defines requirements of the Burgaflex airconditioning hose size 06 to size 12. This engineering specification is a reference document and does not relieve the supplier of the responsibility to carry out other tests and inspections in order to guard the quality of the product.

2 Applicable

This specification is applicable on all hose assemblies and tubing produced by Burgaflex.

3 Responsibility

The Quality manager is responsible for the maintenance and updating of this document.

4 Hose characteristics

3055 Standard barrier hose



Tube- CR Barrier - PA Friction-NBR Reinforcement - PET Friction-NBR Reinforcement - PET Cover - EPDM

Hose construction:

Seamless synthetic rubber (CR) inner tube, covered with a nylon layer and reinforced with two polyester spirals. Hose has weather, oil and abrasion resistant rubber cover, which is perforated.

Temperature range: -30 °C – 125 °C (-22 °F to 257 °F)

Specification: Meets J2064 “type C class II” hose performance

Compatible with: R134a, Freon 12, Suva MP52 and R22 refrigerants
Inner tube resists PAG, Modified PAG's. POE van PVE lubricating oils

Part no.	Hose size	Hose I.D. (mm)	Hose O.D. (mm)	Working pressure (bar)	Burst pressure (bar)	Weight (Kg/m)	Bend radius (mm)
3055-06	5/16"	7.9	18.3	24	121	0.30	102
3055-08	13/32"	10.3	22.4	24	121	0.42	114
3055-10	1/2"	12.7	24.6	24	121	0.49	127

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3055-12	5/8"	15.9	27.7	17	86	0.57	165
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3090 Reduced barrier hose – MULTICOOL –



Tube- CR Barrier- PA Friction- CR Reinforcement- PET Cover- CIIR

Hose construction:

Seamless synthetic rubber (CR) inner tube, covered with a nylon layer and reinforced with one braid. Hose has weather, oil and abrasion resistant rubber cover of butyl, which is perforated.

Temperature range: -40 °C – 135 °C (-40 °F to 275 °F)

Specification: Meets J2064 "type C class I" hose performance for R134s and R1234yf, ISO 8866-2 and Burgaflex R404a transport refrigerant specification

Compatible with: R134a with PAG oils, Modified PAG's. POE van PVE lubricating oils
R1234yf with ND-12 and SP-A2 oils
R404a with PAG oils, Modified PAG's. POE van PVE lubricating oils

Part no.	Hose size	Hose I.D. (min-max mm)	Hose O.D. (mm)	Working pressure (bar)	Burst pressure (bar)	Weight (Kg/m)	Bend radius (mm) (*/**)
3090-06	5/16"	7.9-8.60	14.20-15.20	35	172	0,153	25/23
3090-08	13/32"	10.2-11.20	16.80-17.80	35	172	0,186	38/33
3090-10	1/2"	12.7-13.50	18.90-19.90	35	121	0,189	63/53
3090-12	5/8"	15.9-16.60	23.10-24.10	35	121	0,282	104/79

(*) against natural curve, (**) with natural curve

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5 Packaging characteristics

AC hose packaging specification REEL

Hose type	Size	Maximum splicers/reel	Minimum length (meters)	Quantity on reel		Reel size	
				meter	ft	Core size inch	Flange size inch
3055-06	DN 8- 5/16"	4	6	252	825	20"X 8"	20"
3055-08	DN10- 13/32"	4	6	220	725	23"X 8"	22"
3055-10	DN12- 1/2"	4	6	213	700	23"X 8"	22"
3055-12	DN16- 5/8"	4	6	160	525	23"X 8"	22"
3090-06	DN 8- 5/16"	4	6	252	825	13"X 8"	20"
3090-08	DN10- 13/32"	4	6	220	725	13"X 8"	22"
3090-10	DN12- 1/2"	4	6	180	600	13"X 8"	22"
3090-12	DN16- 5/8"	4	6	130	425	13"X 8"	22"

AC hose packaging specification BULK BOX

Hose type	Size	Maximum splicers/box	Minimum length (meters)	Quantity in box
				meter
3090-06	5/16"	45	6	2500
3090-08	13/32"	35	6	1973
3090-10	1/2"	35	6	1377
3090-12	5/8"	25	6	922

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