

SOLAR HOSE HOSE DATA SHEET



DESIGN AND MATERIALS OF CONSTRUCTION

Hose: Stainless Steel 316L

DESCRIPTION

DN12 to DN25 bore hose, coil size up to 50mtr. Available as Plain hose or insulated (single & twin). Twin insulated with high temperature wire. UV protection for insulation option. Selection of fittings & adaptors. Solar hammer for speedy assembly on site.

SOLAR HOSE is the only manufacturer in the UK to offer a bespoke cutting service, saving you time on site and providing a more cost effective option on larger jobs by minimising wastage. Solarhose is a range of flexible hoses suitable for Solar Heating Systems in sizes DN12, DN16, DN20, DN25 bore. The hose is 316L Stainless Steel. Available as an uninsulated, single insulated or twin insulated solar hose with wire option supplied in continuous lengths of 10m/15m/25m from stock and also up to 50 metres and cut lengths on special order.

APPLICATIONS

- Solar Applications

HOSE DATA

SINGLE COIL SOLAR PIPE NO INSULATION (50 MTR COIL)



Part No	Description
SQDN12X50	DN 12
SQDN16X50	DN 16
SQDN20X50	DN 20
SQDN25X50	DN 25

SINGLE - STANDARD SOLAR INSULATION



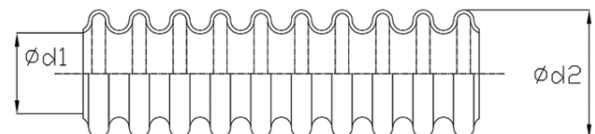
Part No	Description
SQDN12SX10	DN 12 X 10 MTRS
SQDN12SX15	DN 12 X 15 MTRS
SQDN12SX25	DN 12 X 25 MTRS
SQDN16SX10	DN 16 X 10 MTRS
SQDN16SX15	DN 16 X 15 MTRS
SQDN16SX25	DN 16 X 25 MTRS
SQDN20SX10	DN 20 X 10 MTRS
SQDN20SX15	DN 20 X 15 MTRS
SQDN20SX25	DN 20 X 25 MTRS

TWIN WITH INTEGRAL SENSOR WIRE - STANDARD SOLAR INSULATION



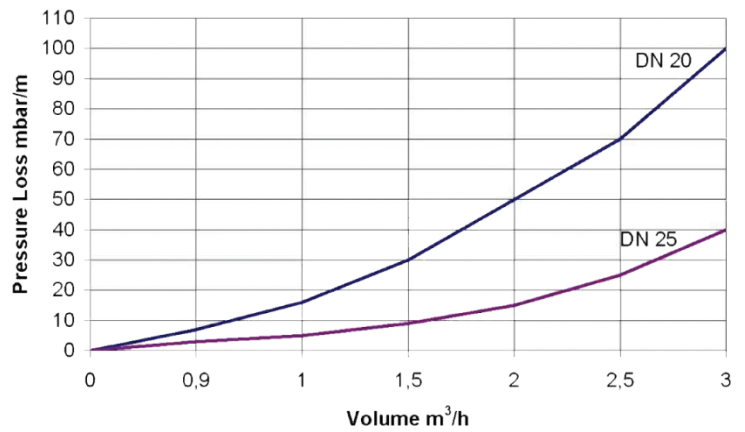
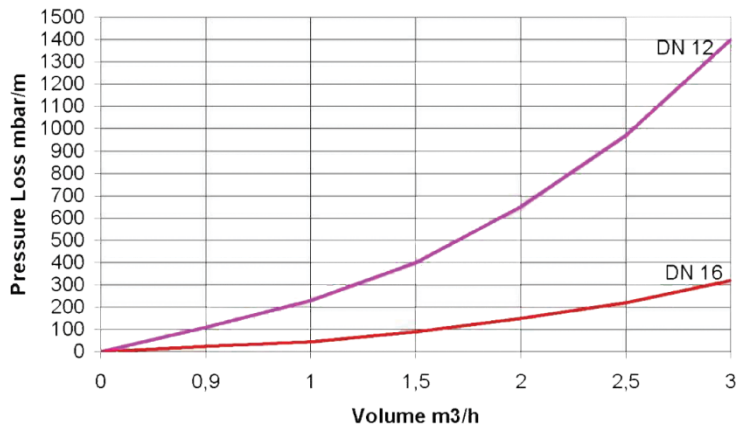
Part No	Description
SQDN12TX10	DN 12 X 10 MTRS
SQDN12TX15	DN 12 X 15 MTRS
SQDN12TX25	DN 12 X 25 MTRS
SQDN16TX10	DN 16 X 10 MTRS
SQDN16TX15	DN 16 X 15 MTRS
SQDN16TX25	DN 16 X 25 MTRS
SQDN20TX10	DN 20 X 10 MTRS
SQDN20TX15	DN 20 X 15 MTRS
SQDN20TX25	DN 20 X 25 MTRS

TECHNICAL DATA



DN	Nut	D1	D2	Tolerance D1/D2	Static Bend Radius	Max Working Pressure	Weight
mm	inch	mm	mm	mmm	mm	bar	kg/mtr
12	1/2	12.4	16.5	+/-0.3	20	14	0.088
16	5/8	16.3	21.4	+/-0.3	24	13	0.143
20	3/4	20.4	26.7	+/-0.3	30	10	0.194
25	1	25.4	31.9	+/-0.3	35	8	0.25

PRESSURE LOSS DATA



INSULATION DATA

- EPDM insulation
- Black PE film for mechanical and UV protection
- Integrated 2 core sensor wires
- Twin tubes have a central membrane allowing the flow and return pipes to be split without exposing the insulation

Cell Structure	Closed Cell EPDM	
Colour	Black	
Upper Temperature Limit	+150°C (intermittent +175°C)	
Lower Temperature Limit	-50°C	
Thermal Conductivity at 0°C	0.038W/(m-K)	
Thermal Conductivity at 40°C	0.042W/(m-K)	Test acc. to EN ISO 8497
Water Vapour Barrier	Built In	
Water Vapour Resistance	$\mu \geq 4\ 500$	Test acc. to EN 12086 & EN 13469
Euroclass	E	Test acc. to EN 13501-1
Reaction to Fire	Self-extinguishing, does not drip	
Environmental Aspects	OWP Zero, GWP Zero, Cadmium Free	
Health Aspects	Dust & Fibre Free, Formaldehyde Free	
Other Attributes	PH : Neutral	

FURTHER INFORMATION

For any more information that you may require then please contact one of our team.

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