FLUIDLINE

DEKABON / SYNFLEX 1300

Working & burst pressure reference

Manufacturer catalogue values | Metric range up to 15 mm

Working pressure is shown before BP (burst pressure). These are the published Danfoss 1300 series values, cross-checked against the supplied Danfoss/Eaton image. Confirm the full part number and service conditions before specifying supplied tubing.

Tube OD / nominal size	Danfoss part prefix	Working / max operating (bar)	BP (bar)
6 mm	1300-M06	28.8	115
8 mm	1300-M08	28.8	115
10 mm	1300-M10	28.8	115
12 mm	1300-M12	24.5	98
14 mm	1300-M14	24.5	90
15 mm	1300-M15	20.0	65
1/4 inch	1300-044	28.8	115
3/8 inch	1300-066	28.8	115
1/2 inch	1300-086	24.5	90

Pressure and temperature must be assessed together. The source gives a water-based-fluid temperature range of -40 to +80 degrees C, but does not state a pressure reference temperature or a derating curve on the 1300 page. Do not assume full working pressure is available at +80 degrees C.

BP is not a working-pressure rating. No working pressures have been calculated by dividing BP by a safety factor. System limits also depend on fittings, medium, temperature and installation.

Source: Danfoss, Specialty Hose and Tubing, March 2026, p.18; AD489875370413en-000102. Open manufacturer brochure. See page 2 for source differences.

Source checks & differences

The Danfoss/Eaton image supplied by Fluidline agrees with all nine working-pressure and burst-pressure pairs on page 1. The older documents do not agree on every burst-pressure value.

Supplied Tecra sheet compared with Danfoss

Size	Tecra pressure column at 25 C	Danfoss BP
14 mm	98 bar	90 bar
3/8 inch	100 bar	115 bar
1/2 inch	80 bar	90 bar

The Tecra document uses pictograms for its pressure column and does not provide a separately labelled working-pressure table. Its values should not be relabelled as working pressures. It is an undated supplier sheet, so product revision and exact item applicability remain to be confirmed.

Existing Fluidline sheet

The existing Fluidline burst-pressure table lists 98 bar for 14 mm and 70 bar for 1/2 inch at 25 degrees C. The Danfoss brochure lists 90 bar for both. This reference uses the Danfoss figures as a separate, identified source; it does not combine them with the older 65/80-degree burst-pressure columns.

Manufacturer data still needs item-specific confirmation

Danfoss PowerSource entry 1300-M0605 lists 30 bar, whereas the series brochure lists 28.8 bar. The brochure also labels the cover polyurethane, while the supplied image and Tecra sheet describe polyethylene. Confirm the supplied item specification with Danfoss before treating these documents as interchangeable.

For quotations and application checks

Provide the complete tube marking / part number, outside diameter, operating medium, continuous and peak pressure, temperature and fittings.

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Prepared 21 October 2026. Technical reference for review, not an application approval. Source set: Danfoss brochure cited on page 1; user-supplied Tecra dekabon-tubes.pdf, p.2; user-supplied Danfoss/Eaton 1300 image; existing Fluidline Synflex/Dekabon datasheet.