

A50 series hand-built chemical suction and discharge hose A range of hoses designed for multipurpose chemicals transfer

Product description

A50 series is a range of flexible hand-built suction and discharge hoses designed to convey a wide range of common industrial chemicals and aggressive fluids.

Reinforcement

Multiple layers of rubber coated high-strength cords surround a single high-tensile steel wire spiral for optimum flexibility, vacuum resistance and stability under pressure.

Linings and covers

Elastomers are formulated to offer maximum resistance to chemicals as well as external protection from exposure to sunlight and weathering.

End terminations

Integrally moulded rubber and fabric fixed flanges with vulcanised one-piece steel backing plates, beaded ends with one-piece captive swivel flanges, fully embedded (rubber lined) built-in steel nipples, wire-free cuffed ends; plain or enlarged or wired end-to-end.

Cover and branding

Hoses are externally corrugated to follow the embedded wire spiral for optimum flexibility and external protection. Rope-down covers are also available for increased flexibility. Hoses can be permanently branded for safety identification.

- Hand-built hoses
- Optimum flexibility
- Smooth bore, mandrel built
- Couplings or cuffed ends

| Type | Lining | Cover |
|------|--------------------|--------------------|
| A50 | Gum natural rubber | Red natural rubber |
| A51 | EPDM | EPDM |
| A52 | Neoprene | Neoprene |
| A53 | Hypalon | Neoprene |
| A54 | Viton™ | Neoprene |

Nominal physical data†

| Bore size Inch | Working pressure mm bar | Vacuum rating bar | Lining thickness mm | Outside diameter mm | Nom weight kg/mt | Min bend radius mm | |
|-------------------|----------------------------|----------------------|------------------------|------------------------|---------------------|-----------------------|------|
| 2 | 51 | 10 | -0.85 | 3 | 73 | 2.5 | 306 |
| 3 | 76 | 10 | -0.85 | 3 | 99 | 3.7 | 546 |
| 4 | 102 | 10 | -0.85 | 3 | 125 | 4.9 | 606 |
| 5 | 127 | 10 | -0.85 | 3 | 150 | 6.0 | 762 |
| 6 | 152 | 10 | -0.85 | 3 | 180 | 8.37 | 912 |
| 7 | 178 | 10 | -0.85 | 3 | 206 | 9.62 | 1068 |
| 8 | 203 | 10 | -0.85 | 4.5 | 237 | 14.1 | 1218 |
| 10 | 254 | 10 | -0.85 | 4.5 | 291 | 19.4 | 1524 |
| 12 | 305 | 10 | -0.85 | 4.5 | 342 | 23.1 | 1830 |

† Nominal physical data is based on type A51 (EPDM rubber lining and cover).

Consult JF Hose for the correct lining to suit your application.

The above sizes are available up to 12 metre lengths. Other sizes are available on request.

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