

# Replacement Exhaust Ducting Hoses for Lasers

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Consumables & Spares

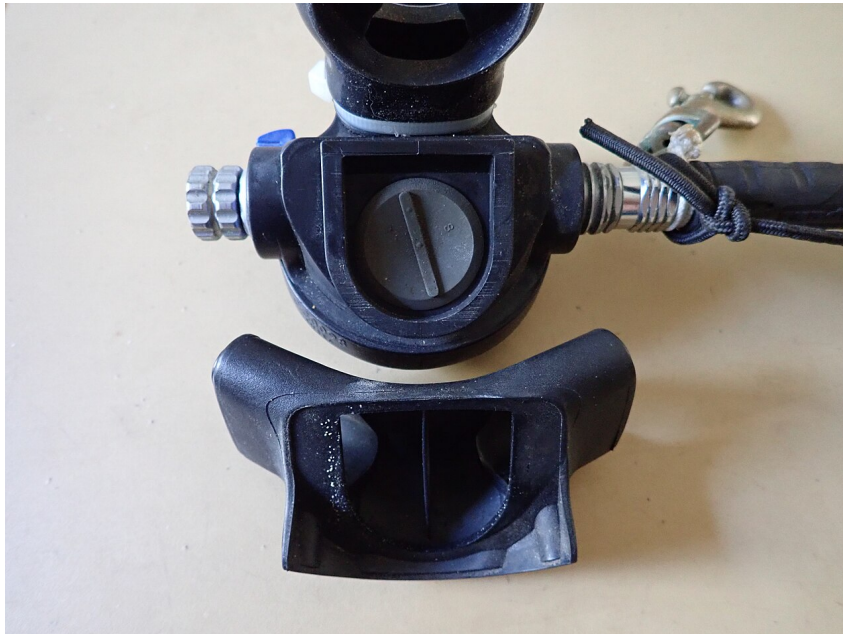


Photo: Peter Southwood — CC BY-SA 4.0 — via Wikimedia Commons (Mushroom\_exhaust\_valve\_of\_single\_hose\_demand\_valve\_P3250135.jpg)

Laser cutters need smooth, airtight exhaust ducting to move fumes out of the machine and room. Replacement hoses in the correct diameter with clamps and adaptors keep extraction efficient, prevent fume buildup and cut filter life losses from leaks.

## Key Features

- Ducting diameters 50-125 mm
- Flexible aluminium or PVC hoses
- Reinforced spiral designs
- Clamps and adaptor kits
- Lengths to order

## Typical Uses in the Workshop

- Replace cracked or kinked extraction hoses
- Extend or reroute exhaust runs
- Connect the laser to wall vents
- Keep fume extraction airtight

## Safe Operation

1. Measure the duct run and diameter
2. Cut the hose to length with shears
3. Fit and clamp each end airtight
4. Check for kinks and sags
5. Test the flow with the fan running

## SAFETY NOTES

- Keep exhausts sealed - fumes are hazardous
- Check hose integrity before each session
- Do not run the laser without extraction
- Keep hoses clear of heat and flames
- Secure the hoses from foot traffic

#### Maintenance & Consumables

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- Inspect hoses for splits and kinks
- Clear debris from the run
- Tighten the clamps
- Replace hardened or cracked sections
- Log the exhaust checks

#### Specification & Buying Notes

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Buy the diameter matching the machine outlet and fan. Quality reinforced hoses hold shape; cheap flexi kinks and collapses, killing airflow.