

# NEWS

Spring 2008

## Latest news! Press release from Nederman UK ON TORCH WELDING REPORT UK — answers the critics questions

The dangers of fumes from welding have long been known. Fumes can damage the nervous system and respiratory tract, as well as having other adverse effects.

Traditional capture hoods and nozzles can work well, but require an element of operator involvement to ensure correct positioning of the capture device. For MIG Welding it has been possible to integrate the capture nozzle into the welding torch itself, and advances in recent years have seen these torches improve in efficiency, weight and manoeuvrability. Having the extraction device built into the torch removes responsibility from the welder to position hoods or nozzles correctly, as the point of extraction is always in proximity to the weld.

Until recently the efficiency of on torch fume extraction had not been tested, and there were certain questions of doubt over the overall effectiveness of such systems. Nederman, together with their partner Abicor Binzel commissioned tests at the Health and Safety Laboratory that would answer such questions and for the first time provide quantitative results of capture efficiency via the welding torch. A welding torch was connected to a Nederman High Vacuum System, and the tests took into account a range of welding positions and parameters. The report has concluded that the extraction of welding fumes via the torch can offer very high capture efficiencies and with the correct welding parameters in place, there was no disturbance of shielding gas and therefore no detriment to the integrity of the weld.

The advantage of a Nederman high vacuum system as the power source to on torch extraction is that the same system can extract from workshop tools, such as sanders and grinders, and can also be employed for floor and general cleaning work.

Contact us for more info or a copy of this report.

### Did You Know?

Nederman NEX MD 4 metre arms are removing fumes from the welding strengthening work presently going on under the harbour bridge clip on lanes.

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EXTRACTION SYSTEMS

**Nederman**

IMPROVING YOUR WORKSPACE



## Spring is here!

Have you seen our spring operated exhaust hose reels? These have been popular throughout the vehicle repair and service industry.

Nederman has now introduced a grey version to better blend into today's 'clean

designed' workshops

We also have 'powered' reels for larger and longer hoses used in bus and truck service areas.

Many car manufacturers today emphasise the design of car repair workshops — 'clean' and 'tidy' are the buzzwords.

Colour concepts have therefore been specified by some, with the request for grey colour hose reels, eg. from Toyota, Audi, VW and others.



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