

Joining airbrush hoses

I recently bought a new airbrush to replace my Iwata, and decided on a Badger 150. Needless to say the hose ends were completely different and didn't fit on my Voilamart compressor. Similarly the Iwata hose ends didn't fit the Badger. What to do? I either had to butcher the Badger hose and fit a new connector for the compressor or to join the two hoses together. I decided on the latter.

This required some research. It turned out that the two connectors were 1/8" BSP (Iwata) and 1/4" BSP (Badger). Yes, this is the twenty-first century despite the weird units. Anyway a bit of looking on eBay revealed that adaptors were available. In the first picture you see the two hose ends with the adaptor in front.



Here is the adaptor in position. At first the joint leaked air so I had to fit an O-ring into the 1/4" connector as you see in the above picture. The one that fitted best from the set that I had was 13mm outside diameter and 1.5mm rubber diameter. It worked perfectly.



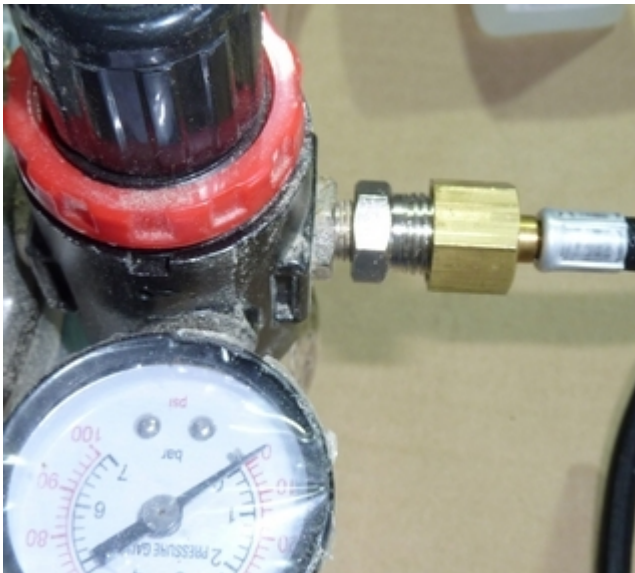
This had the advantage of creating a much longer hose, which was helpful when spraying continuously along a 1.5m wing.

There is another way of doing it. Another adaptor in the set of four that I bought screwed onto the outlet of my Voilamart compressor. The Badger hose then screwed onto that. This was just as good a solution but of course didn't extend the hose.

Here is the adaptor



And here it is on the compressor.



Source of adaptors

https://www.ebay.co.uk/itm/4pcs-Airbrush-Adaptor-Kit-Fitting-Connector-Set-Compressor-Air-Brush-Hose-V7N0/283725023482?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649

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