



6000-PM BALANCED NEEDLE VALVE

This valve is designed to be panel mounted and will require a 20 mm hole. The thread is 20 x 1 mm.

To remove handwheel, hold firmly & remove nut and washers.

Remove lock nut & 1 washer then mount through panel replace washer and locking nut.

Ensure valve is facing correct flow direction before tightening lock nut.

You must not reverse flow direction as this will impair the valves action.

Before replacing handwheel ensure "O" ring then nylon washer is in place first. Now fit handwheel, flat washer, shake proof washer then the nut. Put a little thread sealant on before fitting nut. Tighten up nut firmly but check handwheel turns freely first.

When you are happy that everything is correctly in place push in the plastic cover. Do not remove spindle housing unless essential as it is screwed in place very firmly. To remove use a 21 mm spanner with care ensuring valve is held firmly first.

Inlet & outlet threads are G1/4 or 1/4 BSPP. You should only seal our fittings using a 10 x 2 mm "O" ring. We also supply a range of tube fittings in metric or imperial to fit this valve.

There are 2 models available with a side entry for a feed to a pressure gauge from either upstream or downstream. Please refer to our catalogue or price list.

Body & shaft housing are chrome plated brass. Shaft & seat are Aluminium Bronze to give a long life. The seat may be solid or have a PEEK insert. So do not over tighten when closing. See end of box which shows type fitted.

Maximum working pressure is 414 Bar / 6000 PSI.

This valve **MUST** only be used for **AIR** as the seat fitted to this valve may be **unsuitable** for use with Oxygen. Neither has it been cleaned. When assembling fittings into this valve use Silicone grease.

When operating, you must open valve VERY slowly until pressure has stabilised, then you may open fully. One full turn of handwheel lifts seat by 1mm. Remember High Pressure Air can generate very high temperatures and must be used with care. If in doubt always ask FIRST!!

Any questions? Feel free to contact us.

To see the full range of our products please visit our website. You may also e-mail us direct from this site.

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