

Main Diaphragm Set for the DP Type Valve Fitting Instructions

Before dismantling, isolate valve and zero pressure.

1. Undo long union nut and pull away.
2. Undo M12 nuts and bolts.
3. Drop away lower diaphragm chamber, the two diaphragms, diaphragm plate and push rod assembly.
4. Thoroughly clean upper and lower diaphragm chamber contact faces.
5. Replace diaphragm plate and push rod assembly and loosely fit lower diaphragm chamber on two bolts either side of the union connection to locate spigot in recess.
6. Bring the two new diaphragms together (where pre-coated sealant is applied this should face outwards) and slide into position.
7. Push lower diaphragm chamber home to locate in recess and refit M12 nuts and bolts. Progressively and evenly tighten to a torque of 80 - 100 N m (59 - 73 lbf ft).
8. Retighten long union nut to ensure a steam tight seal.

Full Installation and Maintenance Instructions (IM) are available from Spirax Sarco for each product range as listed below

Valve type	IM reference
DP17, DP17E, DP17R	IM-P100-05
DP17T, DP17TE	IM-P101-04
DP27	IM-P470-03
37D, 37DE	IM-P102-04
DP143, DP163	IM-P006-07
SDP143	IM-P004-05

