

Title (en)
VALVE SUB-ASSEMBLY

Title (de)
VENTILBAUGRUPPE

Title (fr)
SOUS-ENSEMBLE DE SOUPAPE

Publication
EP 1407176 A1 20040414 (EN)

Application
EP 01931943 A 20010523

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Abstract (en)
[origin: WO0190616A1] Valve assemblies are disclosed which include a valve sub-assembly having a flow resistance member (6) which in cooperation with a valve housing (4) provides simultaneously adjustable flow resistance paths for full throughflow and bypass flow paths. The flow resistance member (6) is rotatable in the valve housing (4) to provide this simultaneous adjustment and is maintained in the selected position by an external clip (32) having a groove (34) engageable with an arm (36) of the flow resistance member (4). A flow control member (8) rotatable within the flow resistance member (6) controls fluid flow through the valve assembly (2). The adjustable flow resistance reduces the number of unique items to provide a selection of valve assemblies with different flow resistance. The rotational flow control member (8) provides low torque flow control allowing the use of low torque servo motors (10) yet which can provide highly accurate proportional flow control.

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