

SYSTEMS AND METHODS FOR A REED VALVE MODULE AND VALVE ASSEMBLY

Reed valve modules and corresponding reed valve assemblies are disclosed. In one embodiment, the reed valve module includes a body having a single or a plurality of sealing faces, a seat and flow passages from the seat to the sealing face(s). The reed valve module also includes one or a plurality of petals. In some embodiments, the module further includes a petal guard. Novel reed valve assemblies are disclosed incorporating the reed valve modules. One embodiment of the reed valve assembly includes a seat with a plurality of fluid conduits, a retainer plate with a plurality of fluid conduits and a means for receiving recesses between the seat plate and retainer plate. Other devices, systems, and methods related to reed valve modules and valve assemblies are also disclosed.

Fig. 7