

ABSTRACT

TITLE

Fluid Flow Controller

In a diaphragm type control valve, a slide stem (14) having a coupling screw part (14a) is elevatably but non-rotatably inserted into a bonnet (11) having a coupling screw part (11c). A rotary stem (15) has concentrically a first coupling screw part (22) of thread pitch P1 inside, and a second coupling screw part (23) of thread pitch P2 larger than the thread pitch P1 outside is coaxially disposed above the slide stem (14), the first coupling screw part (22) being driven into the coupling screw part (14c) of the slide stem (14), and the second coupling screw part (23) into the coupling screw part (11c) of the bonnet (11), so that the slide stem (14) is moved vertically by a small distance at each revolution of the rotary stem (15).

(Please note that Figure 1 should accompany the abstract when published)