

ABSTRACT**TUBING HANGER HAVING AN INTEGRAL GATE VALVE**

The valve preferably comprises a pair of actuators 34, 70 disposed at opposite ends of a valve gate 28, to provide pressure balancing. Each actuator may comprise a piston 36 acted on by hydraulic fluid supplied to sealed spaces 54, 60 through ports 62, 66, 76, 74. Ports 66, 74 may be linked to prevent the two pistons being forced apart by line pressure leaking from the passage 12 into the cavity 72. A single actuator may be used for low pressure applications. A bias spring 68 provides fail safe closure of the valve gate 28.

Fig. 1