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Date : **01 MAR 1996**..



DUAL BACKSEAT VALVE ASSEMBLY

ABSTRACT

A dual backseat gate valve assembly provides a locked pressure seal between the valve stem and valve bonnet of a gate valve when the gate valve is in both an open and closed position. A radial surface sealing ring is positioned between the valve stem and the bonnet body to seal off the stem packing. Rotation of the valve stem to lift the valve gate by way of a lift nut caused an upper surface of the gate to contact a surface at the bottom of the bonnet.