

Abstract**VALVE AND METHOD OF OPERATING A VALVE**

5 A valve typically used in an oil or gas well, having a moveable member such as a ball
movable between open and closed configurations and having a cutting device
arranged to shear against an anvil member when the ball is moving between the
open and closed configurations; and having a sealing member providing a seat for
10 seating of the moveable member when the moveable member is in the closed
configuration. The anvil member and the sealing member are moveable relative to
one another when the moveable member is moving from the open to the closed
configuration, so that during opening and closing the sealing member is displaced
away from the cutting device (typically the inner surface of the bore) as the cutting
15 device engages the anvil member. The sealing member is pushed away from the
moveable member and the anvil to a maximum separation from the movable
member at the point on the stroke when the cutting surface of the moveable
member is moving past the anvil member, so that the sealing member is moved out
of contact with the ball when the cutting surface engages the anvil member, and
20 moves back into contact with the ball when the cutting surface has passed the anvil
member and the sealing surface of the ball is aligned with the sealing member.

Fig. 7