

Technical Specification

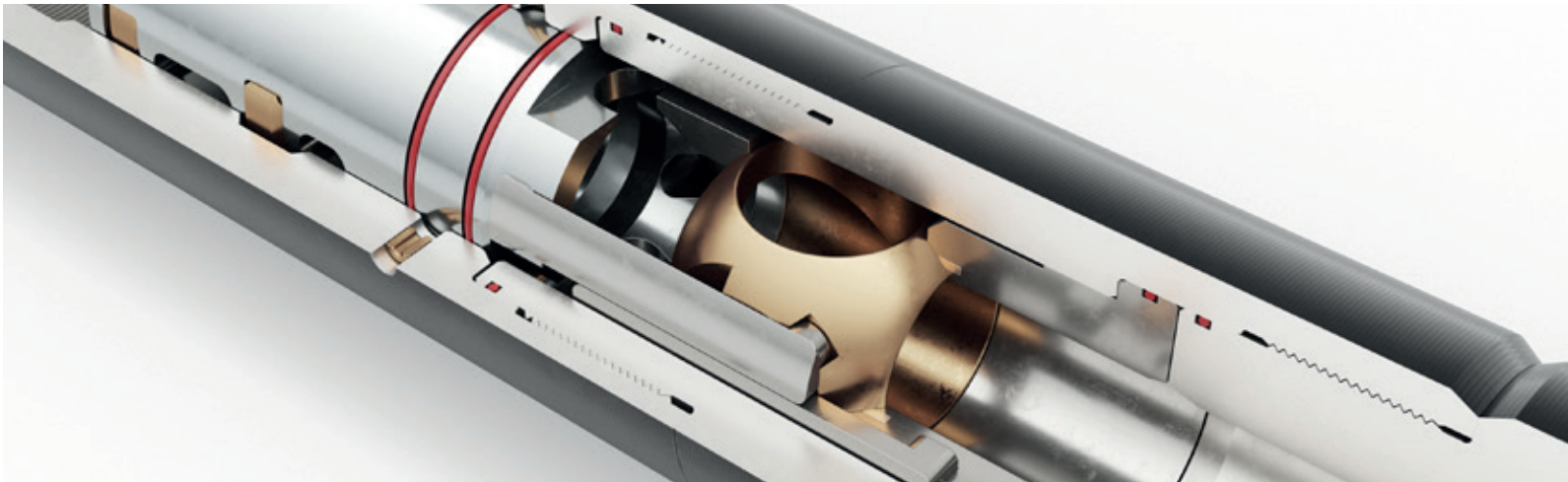
Outer Body Diameter (Max) in (mm)	8.00 (203.2)
Inner Diameter in (mm)	3.00 (76.2)
Connection	To suit
Internal Yield Pressure psi (bar)	6,500 (450)
External Collapse Pressure psi (bar)	6,500 (450)
Max Temp°F(°C)	400 (204)
Max load (tension) lbf (mT)	1,200,000 (545)

Specifications are for guidance only and are subject to change. Alternative sizes available on request.

Technical Advantages

- Robust reliable ball mechanism
- Optimal annular/bore flow regime programming with selective orifice sized nozzles
- Automatic operation – no additional operating procedures required
- Large through bore optimised for both flow and intervention
- Short and lightweight
- Available integral to HAMMER as a module or as separate standalone tool

EvoFLO
Automatic flow management valve



EvoFLO is a ball valve system deployed with the HydroVolve INFINITY engine to divert and direct the necessary flow and pressure to power the INFINITY. It is fully tuneable and is added as an optional extra built-in module to the HydroVolve HAMMER.

EvoFLO provides full control over the drill string pressure regime to control INFINITY as and when required. It protects the wellbore from unwanted pressure surges during HydroVolve HAMMER operation, and diverts flow to annulus to allow improved circulation and lubrication of the drill string during operation. It also allows for circulation to be regained in the event of hole collapse and loss of circulation

EvoFLO is recommended for use in any application where under normal circumstances full-bore access is required through the drillstring for flow or intervention purposes, but where maximum hydraulic power is needed in the HydroVolve HAMMER for extraction purposes thereby necessitating the full or partial closure of the drill string through-bore.

Operator Benefits

- Full bore ball allows uninterrupted flow and intervention access
- Fully programmable flow profile to bore and annulus
- Automatic open/close operation
- Protects the well bore from unwanted pressure regimes
- Improves circulation and lubrication of the HAMMER and drillstring during active HAMMER operation

Operating guide to use

EvoFLO automatically activates in response to the HydroVolve HAMMER switching to ‘HAMMER- Active’ mode.

Technical Features

