

Mineral Drilling Annular Diverter

Inward-inflating Annular Diverter



Product Description:

The IPI Packers Mineral Drilling Annular Diverter is a compact, inward-inflating annular diverter designed for mineral coring applications in N, H, and P sizes. The system is intended to remain deflated during normal drilling operations and is rapidly inflated against the drill pipe to seal the annulus in the event of uncontrolled borehole flow.

The diverter provides controlled diversion of well fluid discharge during rod handling or flow events. Its lightweight construction and low activation volume allow operation using a hand pump or low-volume accumulator.

Applications:

- ◆ Temporary diversion of borehole discharge during drilling or rod trips
- ◆ Flow management in flowing or over-pressured mineral drill holes
- ◆ Enhances drill site safety by directing borehole flow away from personnel and equipment
- ◆ Pumping weighted drilling fluid to regain control of a kicking or flowing drill hole

Benefits:

- ◆ Compact and lightweight design enables easy handling and installation in confined spaces
- ◆ Quick-change split wear guides allow replacement with the drill string in place, minimising operational interruption
- ◆ Low inflation volume requirement allows operation with hand pumps or small accumulators
- ◆ It can be built with threaded or flanged versions to suit N, H, and P casing sizes
- ◆ Reduced inventory through universal configurations compatible with multiple core barrel sizes
- ◆ The diverter has ports on opposite sides to allow installation in any orientation

Threaded Version



Flanged Version



Sizes*:

	N - PWT
Connection Bottom	Threaded or Flanged
Connection Top	Threaded or Flanged
Minimum ID (Packer Deflated)	125 mm (4.92 in)
Split Guide ID (Wear Guide ID)	PQ Split Guide ID: 120 mm (4.72 in) HQ Split Guide ID: 95 mm (3.74 in) NQ Split Guide ID: 75 mm (2.95 in)
Inflation Pressure	1,000 psi (69 bar)
Pressure Rating (Inflated against drill string)	2,000 psi (138 bar)
Weight	50 kg (110 lbs)
Temperature	150 °C (302 °F)

*Custom sizes are available upon request. For parameters not listed above, please contact your nearest [IPI Packers office](#) or submit your query using the [contact form](#).

