

QUANTUM MultiPort

Gravel-pack multiport packer

APPLICATIONS

- Intelligent completions
- Normal and hostile environments

BENEFITS

- Simplified operations reduce rig costs

FEATURES

- Unique design for preset prevention
- Enhanced capabilities for onsite product customization
- Simultaneous setting of multiple packers for reduced rig time
- Pressure-isolated multiple ports
- Locking screws on the body joints
- Packing element with integral antiextrusion rings
- Component parts rotationally locked to the mandrel
- Straight pickup release

The QUANTUM* MultiPort* gravel-pack multiport packer is used as the upper packer in stacked configurations in completions with surface-controlled subsurface flow-control valves and tubing-mounted reservoir monitoring equipment.

Main features

- Hydraulic-set
- Retrievable
- For use in intelligent completions
- Designed and tested in accordance with ISO 14310 V3

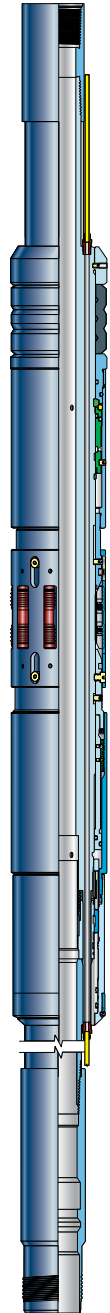
Connections and setting

The hydraulically set QUANTUM MultiPort packer features twin setting pistons that fully energize the sealing elements prior to anchoring the slips. This packer is designed to allow onsite feed-through and connection of electric and hydraulic conduits. Testing of control-line fittings on the packer is accomplished after feed-through. This feature greatly simplifies rig operations and reduces control line terminations. The packer features a one-piece mandrel design with an eccentric flow bore.

Release

Bypass lines are fixed relative to the mandrel, eliminating relative movement during releasing. This design facilitates release regardless of the prevailing tubing load condition, i.e., tension or compression at the packer. The QUANTUM MultiPort packer allows simultaneous setting of multiple packers and is capable of simultaneous testing of bypass seals on the rig floor. Retrieval of the QUANTUM MultiPort packer is accomplished by means of a through-tubing intervention tool and subsequent upward pull on the tubing.

QUANTUM MultiPort packers are available for a variety of service applications, including H₂S and CO₂ environments.



QUANTUM MultiPort gravel-pack multiport packer.

QUANTUM MultiPort Gravel-Pack Multiport Packer Specifications

Casing Size, [†] in [mm]	Casing Weight Range, lbm/ft [kg/m]	Max. OD, in [mm]	Nominal ID, [‡] in [mm]	Max. Working Temperature, degF [degC]
7.000 [177.8]	26–29 [38.69–43.16]	5.992 [152.2]	2.940 [74.7]	250 [121]
9.625 [244.5]	43.5–47 [64.74–69.94]	8.445 [214.5]	2.940 [74.7]	250 [121]
9.625 [244.5]	47–53.5 [69.94–79.62]	8.345 [212.0]	2.940 [74.7]	250 [121]

[†] Other sizes are available on request. Contact your local Schlumberger representative.

[‡] ID may vary depending on connecting configuration selected.