



Safer

Cannot be over-tightened in normal use and is easy to remove

Flexible

Wide bore allows good flow of slurries and viscous materials

Cost effective

O-ring seals can be replaced at minimal cost without the need to replace a complete assembly

Convenient

Easy to remove and clean between runs



V4 Zero Dead Space Reaction Vessel Drain Valve

The new innovative O-ring configuration of the V4 valve; allows quick, easy and safe removal. Eliminating the cleaning and assembly problems associated with traditional stopcock designs. The valve, available in 15mm or 25mm nominal bore to suit different vessel sizes, is manually operated for sampling or draining of vessel contents.

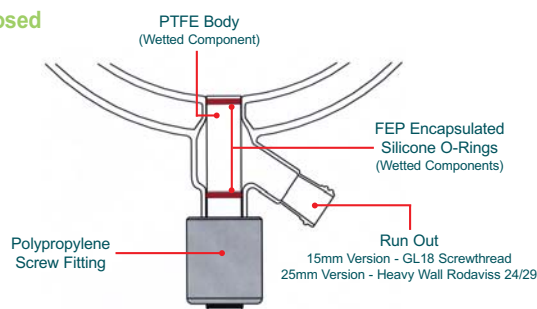
The wetted surfaces of this valve are borosilicate glass and the fluoropolymer materials (PTFE and FEP), which give exceptional chemical and heat resistance. The FEP encapsulated silicone o-rings seal within a precision bore tube as an interference fit, ensuring that this valve cannot be over tightened in normal use (indeed the valve does not need to be tight to achieve a seal). The zero dead volume format ensures that all the vessel contents are stirred and heated/cooled

evenly. The run-off of both the 15 and 25mm versions of this valve incorporate a fitting, which allows the connection of tubing or pipework, or alternatively allow the run out to be sealed off. The 15mm version has a GL18 screwthread and the 25mm version has a heavy wall Rodaviss 24/29 socket. Standard PTFE hose connectors, and seals are available for both sizes. Other types of connection are available.

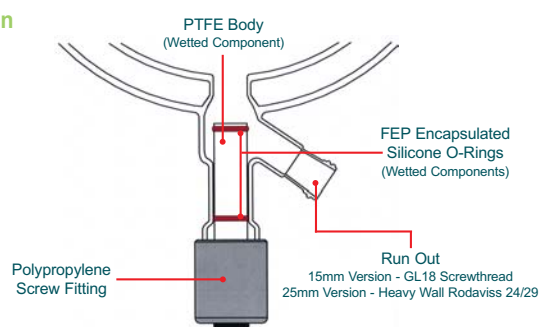
The standard contents operating temperature for this valve is -50°C to +200°C. For more demanding applications optional high performance materials are available.

Available, as standard on all reaction vessels...

Valve Closed



Valve Open



REACTION SYSTEMS



Custom designed glass reaction systems

from 100ml to 50 litres...

Drawing upon 40 years experience Radleys has established an international reputation for producing the highest quality reaction systems. All of the reaction systems we manufacture are designed in close cooperation with our customers to ensure optimum performance. Our design and build service includes:

- Single & double jacketed vessels
- Frameworks
- Stirrers, sensors & probes
- Data logging
- Thermoregulators
- Full installation and training.



t: +44-(0)1799-513320
f: +44-(0)1799-513283
e: sales@radleys.co.uk
www.radleys.co.uk

www.radleys.co.uk