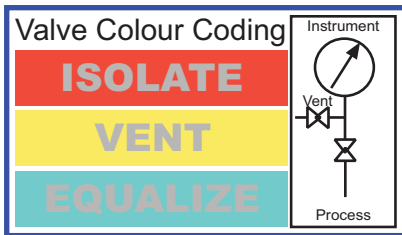


SWIVEMAS[®]

Block & Bleed Valve Mark-2



Rated 689 BAR / 10,000 PSI

Weight=2.0kg

Incorporates the unique integral 'SWIVEMAS'[®] joint between valve and instrument which gives the ability to obtain a pressure tight metal-to-metal seal without the use of tape and allows the gauge to be locked in any 360 Degree orientation.

SWIVEMAS Mark-2 version has fixed collar and secondary O ring seal. Available with 'SWIVEMAS'[®] gauge to eliminate leak paths by reducing the number of gauge-to-valve joints from the usual three to only one thereby helping to meet environmental concerns by preventing fugitive emissions.

Has trace codes on body with material certificates available for all wetted parts on request.

Valve/Gauge combination unit gives weight and space savings.

Can be supplied to NACE MR-01-75 latest edition.

Pressure joint can be made, broken then remade and still retain full pressure seal integrity.

Bleed hole facility gives warning of incorrect mating of cone faces whilst mechanical integrity is still maintained.



When AMEC began implementing its Environmental Policy and ISO 14001 the company asked its vendors / preferred manufacturers to consider their own approach to environmental performance. One of the quickest companies to respond was Stewart-Buchanan Gauges Limited with its SWIVEMAS product range whereby fugitive emissions caused by potential leak paths are considerably reduced by the reduction of screwed fittings in typical assemblies and replacing these with a one-piece unit.

The product has gained recognition and acceptance by AMEC Project Engineers as it was seen as an aid to reducing potential leaks, costs and promoting environmental awareness. The gauges inclusion in the BP Amoco Bruce Booster Compression Project also demonstrated to the client that AMEC were seen to be providing a worthwhile but extremely cost-effective solution in the drive to eliminate potential leak paths within the process.

The assembly was used on the BP Bruce Project via the instrumentation team led by Ian Mitchell.

Other Projects the product has been used on include BP Harding, BP Magnus, Brent flow-lines, Cook Project, Tern Incremental Project, Cormorant shut-down panels, Texaco Captain upgrades, Kerr-McKee revamps, Elf, Total Sampling skid panels and the Skene Development Project.

This product has the potential to become an industry standard within environmentally aware companies such as AMEC.

For further information on the product and related services please do not hesitate to contact Sales and Marketing Director Mr. John O'Neill at the Company's Kilsyth Headquarters on 01236-821533. You can also visit the company's website at www.stewarts-group.com

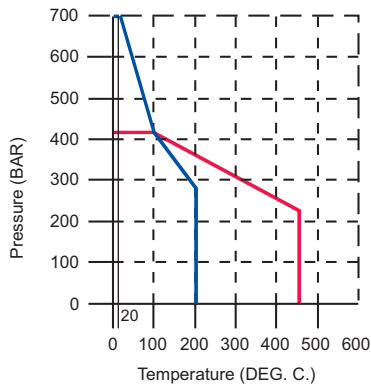
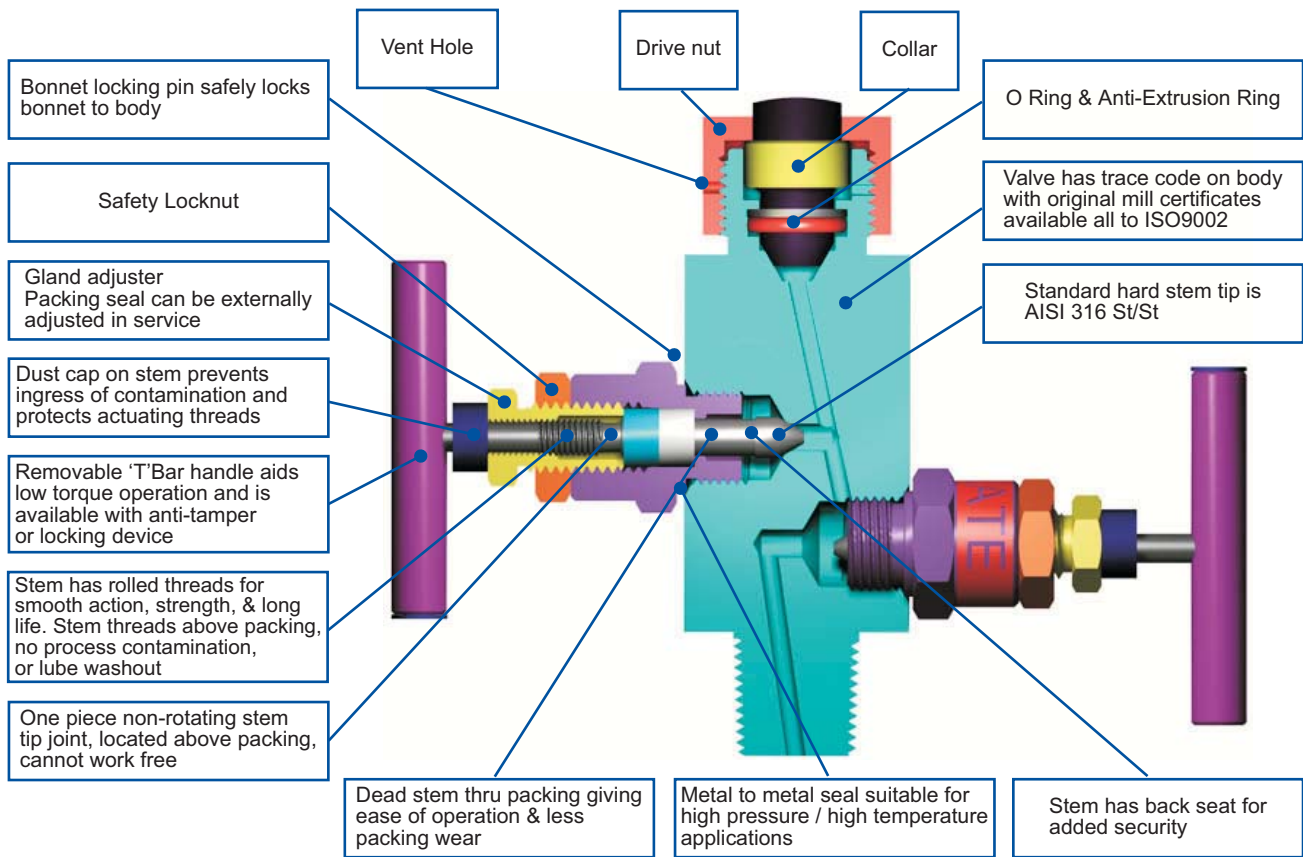
We manufacture a wide range of instruments to customer's special requirements
We shall be pleased to discuss and advise on your specifications.

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Engineering modifications may take place without prior notice.

STEWART-BUCHANAN GAUGES LTD

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SWIVEMAS[®] Block & Bleed Valve Mark-2

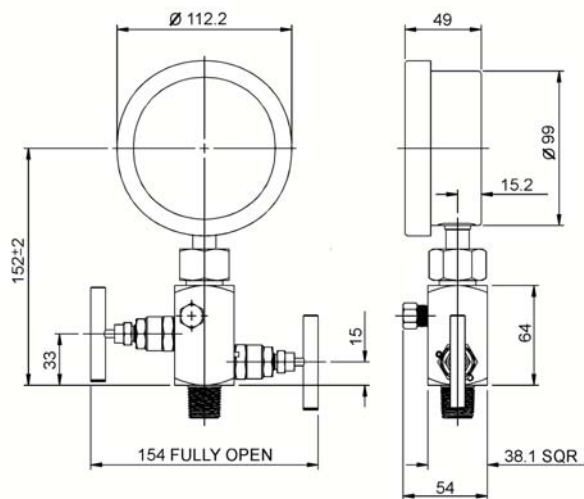


P.T.F.E-PACKING

maximum pressure 689 bar (10,000 psi) at 20 C
 maximum pressure 275 bar (4,000 psi) at 200 C
 P.T.F.E. Packing must not be used at temperatures in excess of 200 C

GRAPHOIL-PACKING

maximum pressure 413 bar (6,000 psi) at 20 C
 maximum pressure 230 bar (3,300 psi) at 450 C



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