Emerson ensures process unit safety with TESCOM™ Anderson Greenwood valves

RESULTS

- Standardized instrument valve configuration
- Achieved higher reliability by reducing leak points
- Improved operator safety through process uniformity

The refinery upgraded their block-and-bleed instrument valves which provided a safe, uniform, and reliable operation when configuring their pressure gauges, transmitters, and DP meters.

APPLICATION

Petroleum refinery equipment

CHALLENGE

Valves needed to be upgraded during a refinery turnaround. These valves enabled the calibration of the settings in the refinery's pressure transmitters and gauges and DP meters. The old block-and-bleed valve manifolds were antiquated and had multiple leak points. In addition, the facility had inconsistent valve specifications, material, and soft goods that were not matched to the applications. The refinery needed new block-and-bleed instrument valves that provided safe, uniform, and reliable operation.

SOLUTION

Emerson recommended TESCOM Anderson Greenwood Series M5A gauge valves for the block-and-bleed of the refinery's instruments and pressure gauges. The compact Series M5A package enabled the customer to standardize on one valve for the configuration of its pressure gauges, transmitters, and DP meters. The valve was roddable in the event it became plugged with solids. In addition, Emerson specified standard GRAFOIL® packing so field technicians did not install Teflon®-packed valves in high-temperature environments. Overall, the solution ensured better safety through process uniformity, and it reduced the number of leak points. The customer was pleased with the Emerson solution and is ordering more valves for its next turnaround.

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