

Total valve management

Severn Unival has been involved in valve management services for over 20 years, providing most of the major oil & gas producers in the North Sea and the Middle East with a selection of services designed to support their valve population.

- **Localised support facilities**, fully configured to overhaul, repair, test, inspect the valve population under our management.
- **Performance Services Group**, who work with our clients to understand operating conditions, the affects on the valve population and to provide operating performance improvement.
- **Inventory Services**, designed to ensure that the inventory holding of our clients offer an active value to the operation and the balance sheet.
- **Supply Chain Services**, provided to support the supply needs of the valve population – from spares procurement, and new valve sourcing to quality surveillance and inspection and shipping.
- **In-house Production**, Severn Unival is unique as a service provider with a full manufacturing capability for components, upgrades, retrofit and full new valve packages. Built to full ISO quality standards.

The benefits of valve management, depend entirely on the business objectives of our clients.

- **Optimum performance from your critical control valves**
- Severn Unival will achieve loop control, valve performance and effective maintenance.
- **Statutory & Insurance compliance**
- Severn Unival will manage your compliance strategy, compliance programme and deliver the compliance certification.
- PSV's, ESDV's, HIPP's
- **Optimum Maintenance Expenditure**
- Severn Unival will target a maintenance strategy to provide the balance between overhaul, repair and renewal and the requirements for inventory holding.

The Severn Unival Valve Management programme is technically driven, to ensure quality and engineering compliance, but is delivered as a business objective, designed to balance the technical needs with the business justification for all maintenance expenditure.



Page 1	Units	Case 1	Case 2	Case 3	Field Code
Flammable	kg/hr	180000	180000	536000	Field Status (User)
Non-Flammable	kg/hr	48.0	18.0	23.0	Field Status (Phase L+G)
Outlet Pressure	bar	48.7	17.8	17.8	Critical Press (D1)
Inlet Temp.	°C	48	48	48	From Table
Op. Velocity	m/s	0.90	0.90	0.90	From Table
Vap. Press.	bar	18	18	23.0	From Table
Compressibility		0.87	0.87	0.87	From Table
Vap. Inlet To		17.2	17.2	17.2	From Table
Vap. Outlet To		3.4	3.4	3.4	From Table
Vap. Outlet To		3.4	3.4	3.4	From Table
Calc. Cr		289.7	338.8	89.84	From Table
Steam L/R	%	83.8	113	22.3	From Table
Valve SFL	mm	0.50	0.20	0.81	From Table
Op. Velocity	m/s	0.20	18.0	0.10	From Table
Flow Vel.	m/s	0.50	0.50	0.50	From Table
Checked Check	bar	0.94	0.94	0.97	From Table
PL		1.0	1.0	1.0	From Table
Power Factor		0.00	0.00	0.00	From Table
Signal		0.0000	0.0000	0.0000	From Table
Signal MS		0.0000	0.0000	0.0000	From Table
Res. Stages					From Table



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