

PRODUCT INFORMATION

Manufacturer	deltaVision GmbH Hofmannstr. 50 81379 München Germany
Product	Solenoid Valve
Product type	E1a



E1a	
Weight	180 g
Dimensions	Ø34 x 57 mm ³
Interfaces	2 x ¼ " tube
Material fluid channel	Stainless steel 300 and 400 series, PEEK, PTFE
Nominal voltage	28 V ± 4 V DC
Resistance	39 ± 2 Ω / 20°C
Nominal power (at 28V, RT)	20 W
Peak power (at Tmin)	35 W
Nominal diameter	1mm
Flow coefficient Kv	0.04 m ³ /h
Differential pressure (max.)	Up to 400 bar
Operating pressure (max.)	Up to 400 bar
Proof pressure	Up to 600 bar
Ambient temperature (range)	233K ... 343K (designed, tested RT) Optional: 77K 343K
Approved operating fluids	Inert media, Hydrocarbons, H ₂ , O ₂ Optional: Storables, N₂O, HTP (short term)
Opening time nominal	< 30 ms
Closing time nominal	< 30 ms
Recommended holding current	0.2A
Internal leakage RT	< 1e-3 scc/s
Internal leakage TLN2	< 1e-2 scc/s
External leakage	< 1e-5 scc/s
Flight Heritage	No

Please note: Delivered valves are tested according to the specifications defined in the corresponding sales order. The values shown represent the upper performance limits, with actual configurations optimized for the best balance of parameters to meet your application needs and budget.

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