

SOMAS Valve Sizing



SomSize Control Valve Sizing Program

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Project data Liquid service Gas service 2-phase service Valve spec.

Tag no. (L) FV-80201 Liquid PTA Residue

Liquid critical pressure bar a 221.3
Pipe standard ISO/SSG stainl. steel
Pipe inlet/outlet/thickness mm 40 40 mm 1.5
Liquid flow m3/h 4.5 4 .18
Inlet pressure bar a 11 8 8
Differential pressure bar .5 .5 .5
Temperature deg. C 120 100 100
Liquid density kg/m3 1100 1100 1100
Liquid vapour pressure bar a 1.988 1.014 1.014
Liquid viscosity cP 0.2339 0.2837 0.2837

Valve Ball segment valve, concentric wafer - KVT
Valve size/capacity DN 25/20 KV 20

Calculated capacity KV 6.815 6.031 0.2671
Valve opening deg. 50.1 46.9 10.8
Flow velocity m/s 2.5 2.3 0.1
Critical pressure drop bar 4.965 3.914 5.091
Noise level dB(A) 37.5 36.5 20.3

☐ Auto sizing

Previous form
Note
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Valves and Programs



SPCI 2002
Entrance card registration and information



Lediga platser

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