SHOCK ABSORBER SPECIFICATION FORM (sheet 1/2)

(Subject to technical modifications, mandatory field)

Company: _____ Location: _____

Name, First name: _____ Project name: _____

E-mail: _____ Requirement: _____ pieces/year

Telephone no.: _____ as ☐ spare part ☐ original equipment

Accumulator type

☐ Bladder accumulator

☐ Piston accumulator

☐ Diaphragm accumulator

☐ Metal bellows accumulator

☐ _____

Accumulator data

Max. operating pressure

_____ bar

Min. operating pressure

_____ bar

Pre-charge pressure at 20 °C (nitrogen) [1]

_____ bar

Ambient temperature

Min. _____ °C Max. _____ °C

Operating temperature of the accumulator

Min. _____ °C Max. _____ °C

Complete cycle time

_____ s

Materials [2]

Accumulator shell

_____

Fluid port

_____

Elastomer

_____

Fluids/medium

Fluid

_____

Density

_____ kg/m²

Viscosity at 20 °C

_____ cSt

Viscosity at operating temperature

_____ cSt

Additional information

Installation dimensions (height x Øa)

_____ mm

Fluid port

☐ Flange _____

☐ Thread _____

Gas port

☐ M28x1.5 ☐ 7/8-14UNF

☐ _____

Coating/finish

☐ internal _____

☐ external _____

[1] see catalogue section No. 3.000, section on dimensioning

[2] dependent on operating temperature and/or fluid resistance

Further information

Industry

_____

Country of installation

_____

Dimensioning/certification

_____

Specification

_____

Pump data

Zero head

_____ m

Pressure of the pump at the operating point

_____ bar

Flow rate of the pump at the operating point

_____ l/min

Cause of the pressure shock

☐ When pump starts

☐ When pump switches off

☐ When check valves close

☐ _____

Pipeline data

Please provide pipeline data on the next page.

Remarks:

_____

_____

_____

_____

Spare parts/accessories are available at www.hydac.com / Products / Hydraulic accumulators

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SHOCK ABSORBER SPECIFICATION FORM (sheet 2/2)

(Subject to technical modifications, mandatory field)

General data on the pipeline

Material of line		Total closing time of the valve	s
Max. permitted pressure of the line	bar	Speed of sound in the system	m/s

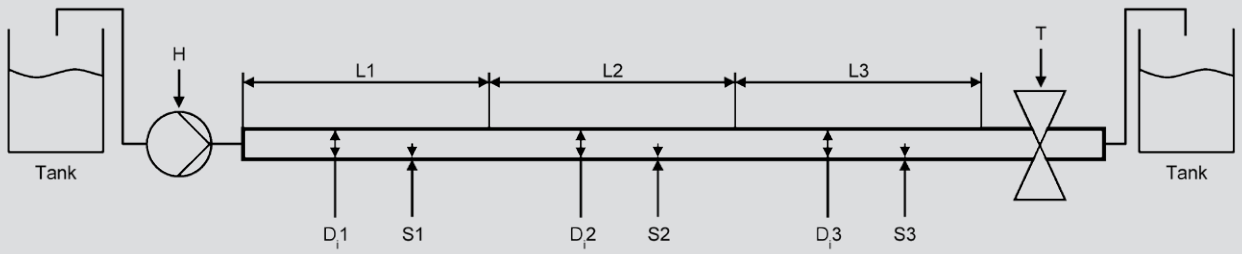
Information on pipeline sections

L	= length of the pipeline	[m]
D_i	= internal diameter of the pipeline	[mm]
S	= wall thickness of pipeline	[mm]
H	= zero head of the pump	[m]
T	= closing time of the valve	[s] (effectively roughly 30 % of the total closing time)

Number of different pipes

L1 =	m	D_i1 =	mm	S1 =	mm	L4 =	m	D_i4 =	mm	S4 =	mm
L2 =	m	D_i2 =	mm	S2 =	mm	L5 =	m	D_i5 =	mm	S5 =	mm
L3 =	m	D_i3 =	mm	S3 =	mm	L6 =	m	D_i6 =	mm	S6 =	mm

Example



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