

General Accumulator Specification Form (Page 1/2)

Company: _____ Location: _____
 Project name: _____ Originator: _____
 E-Mail: _____ Tel. no.: _____
 Application: _____ Requirement: _____ pieces / year

Note:

The appropriate accumulator can be selected using the HYDAC Accumulator Simulation Program ASP. Download from www.hydac.com.

Accumulator type Bladder accumulator Piston accumulator Diaphragm accumulator _____

Fluids / Medium

Fluid: _____ Viscosity at 20 °C: _____ cSt
 Density: _____ kg/m³ Viscosity at operation temperature: _____ cSt

Functioning of the pump

Continuous operation Intermittent operation

Accumulator data

Max. operating pressure: _____ bar
 Min. operating pressure: _____ bar
 Pre-charge pressure at 20 °C (nitrogen): _____ bar
 (please see Product Catalogue no. 30.000, section on sizing)
 Ambient temperature: _____ °C
 Operating temperature: _____ °C
 Complete cycle time: _____ sec

Fluid demand diagram for one pump and one consumer:

Accumulator discharge rate: _____ l/min
 Accumulator discharge time: _____ sec
 Flow rate of the pump: _____ l/min
 Pump runs continuously:
 Pump starts after discharge:

Alternatively:

Fluid demand diagram for several pumps and / or consumers
 (see page 2)

Additional details on the accumulator

Industry: _____
 Country of installation: _____
 Design / Certification: _____
 Specification: _____

Materials*

Accumulator shell: _____
 Fluid connection: _____
 Elastomer: _____

Additional information

Installation dimensions: _____ mm
 (height x \varnothing_{ext})
 Fluid connection: Type: _____
 (for thread internal: _____
 ext.: _____)
 Standard: _____
 Gas connection: _____
 Colour/Finish: _____
 Corrosion protection: internal external
 Spare parts / accessories: see www.hydac.com
 under products / accumulators

* depending on operating temperature and / or fluid resistance

Notes: _____

Date: _____

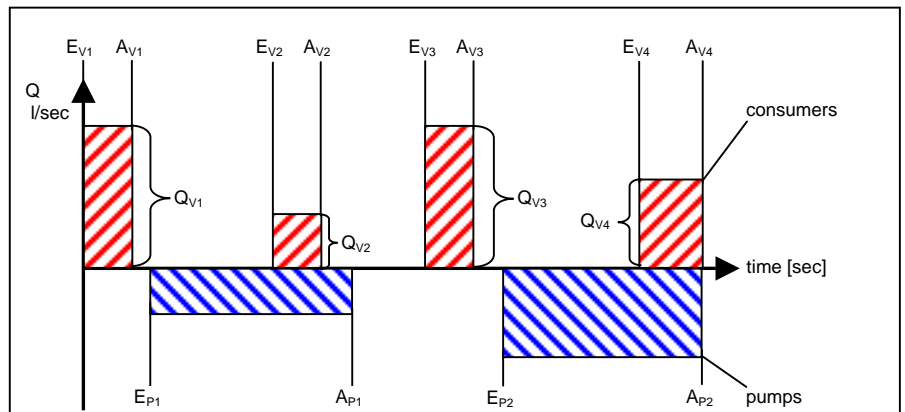
Name: _____

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Fluid demand diagram for several pumps and/or consumers:

Designation / Example:

- Q_V = Consumer flow velocity (l/sec)
- E_V = Switch-on time point of consumer (sec)
- A_V = Switch-off time point of consumer (sec)
- E_P = Switch-on time point of pump (sec)
- A_P = Switch-off time point of pump (sec)



Please indicate cycle data below:

Number of consumers: _____

$Q_{V1} =$ _____ $E_{V1} =$ _____ $A_{V1} =$ _____
 $Q_{V2} =$ _____ $E_{V2} =$ _____ $A_{V2} =$ _____
 $Q_{V3} =$ _____ $E_{V3} =$ _____ $A_{V3} =$ _____
 $Q_{V4} =$ _____ $E_{V4} =$ _____ $A_{V4} =$ _____

Number of pumps: _____

$Q_{P1} =$ _____ $E_{P1} =$ _____ $A_{P1} =$ _____
 $Q_{P2} =$ _____ $E_{P2} =$ _____ $A_{P2} =$ _____
 $Q_{P3} =$ _____ $E_{P3} =$ _____ $A_{P3} =$ _____
 $Q_{P4} =$ _____ $E_{P4} =$ _____ $A_{P4} =$ _____

