

Technical Specifications of 32-liter Accumulators

Sr. No.	Description		Qty.
01.	Bladder Type Accumulator		02
	Accumulator Type	Bladder Type	
	System Fluid	R-134a	
	Gas to be used in Bladder	N ₂	
	Accumulator Volume	~32 L	
	Maximum System Pressure	5 MPa	
	Minimum System Pressure	1.5 MPa	
	Maximum System Temperature	120 °C	
	Minimum System Temperature	-20 °C	
	Application	Thermal Expansion	
	Maximum System Flow Rate	15 lit/s	
	Bladder Material	NBR (Nitrile) high temperature	
	Shell / Bladder Design Temperature	150 °C	
	Shell / Bladder Design Pressure	7 MPa	
	Shell body material / Material of wetted parts (except bladder) including accessories, shell, fluid port and spare parts	SS-304	
02.	Accumulator Kit	(compatible with offered model)	02
03.	Charging Kit		01
04.	Safety Block	(material of construction of wetted parts SS-304, & compatible with offered model)	02
05.	Terms and conditions – documentation required		
	<ul style="list-style-type: none"> i. Temperature ratings in compliance with PED/2014/68/EU or ASME ii. Pressure retaining materials specification should be traceable as per an EN 10204 Type 3.2 certificate 	<ul style="list-style-type: none"> iii. Shell should be of high strength alloy steel according to ASME SA-372 and EN 100083-3 material specification with internals epoxy coated 	

Sr. No.	Description	Qty.
06.	Accessories	
	Provision of accumulators mounted on accumulator station and / or required accessories (such as clamps – stainless steel, support brackets, mounting frames, lifting eye, safety blocks-(SS-304), adaptors, relief valve block)	Quantities suitable for 02 accumulators
	Charging kit with charging extender	
	Nitrogen station with reducing valve	
	Burst disc kit	
	Permanent charging block	
07.	Spares along-with the itemized cost	
	Bladder kit along-with bladder assembly	02
	Spare parts kit (including gas valve assembly (valve, plug/cap), fluid port assembly with seals & O rings, anti-extrusion ring, drain plug with seals, seal kit & backup seal ring, locking nut & spacers, and back up ring (depending on the model)	Quantities suitable for 02 accumulators
08.	Inspection documents	Third party Testing / Inspection Certificate for performance & leak test reports along-with inspection of QCP documents are per quoted standards
09.	Recommended model types	OLAER, HYDAC, NACOL HYDROLEUDUC etc.
10.	Make	European/ American / Japanese Brand/ <i>Chinese</i>

Technical Specifications of 5-liter Accumulator

Sr. No.	Description		Qty.
01.	Bladder Type Accumulator		01
	Accumulator Type	Bladder Type	
	System Fluid	R-134a	
	Gas to be used in Bladder	N ₂	
	Accumulator Volume	~5 L	
	Maximum System Pressure	5 MPa	
	Minimum System Pressure	1.5 MPa	
	Maximum System Temperature	120 °C	
	Minimum System Temperature	-20 °C	
	Shell / Bladder Design Temperature	150 °C	
	Shell / Bladder Design Pressure	5 MPa	
	Application	Thermal Expansion	
	Bladder Material	NBR (Nitrile) high temperature	
	Material of all parts except bladder	SS-304	
02.	Accumulator Kit	(compatible with offered model)	02
03.	Charging Kit		01
04.	Safety Block	(material of construction of wetted parts SS-304, & compatible with offered model)	02
05.	Terms and conditions – documentation required		
	i. Temperature ratings in compliance with PED/2014/68/EU or ASME ii. Pressure retaining materials specification should be traceable per an EN 10204 Type 3.2 certificate iii. Shell should be of high strength alloy steel according to ASME SA-372 and EN100083-3 material specification with internals epoxy coated		
06.	Accessories		
	Provision of accumulators mounted on accumulator station and / or required accessories (such as clamps – stainless steel, support brackets, mounting frames, lifting eye, safety blocks-(SS-304), adaptors, relief valve block)		
	Charging kit with charging extender		
	Nitrogen station with reducing valve		
	Burst disc kit		
	Permanent charging block		

Sr. No.	Description	Qty.
07.	Spares along-with the itemized cost	
	Bladder kit along-with bladder assembly	01
	Spare parts kit (including gas valve assembly (valve, plug/cap), fluid port assembly with seals & O rings, anti-extrusion ring, drain plug with seals, seal kit & backup seal ring, locking nut & spacers, and back up ring (depending on the model)	Quantities suitable for 01 accumulators
08.	Inspection documents	Third party Testing / Inspection Certificate for performance & leak test reports along-with inspection of QCP documents are per quoted standards
09.	Recommended model types	OLAER, HYDAC, NACOL HYDROLEUDUC etc.
10.	Make	European/ American / Japanese Brand / <i>Chinese</i>