

## Technical Specifications of 32-liter Accumulators

Sr. No.	Description		Qty.
01.	<b>Bladder Type Accumulator</b>		02
	Accumulator Type	Bladder Type	
	System Fluid	R-134a	
	Gas to be used in Bladder	N <sub>2</sub>	
	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.	<b>Terms and conditions – documentation required</b>		
	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	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.	<b>Accessories</b>	
	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	Quantities suitable for 02 accumulators
07.	<b>Spares along-with the itemized cost</b>	
	Bladder kit along-with bladder assembly 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)	02  Quantities suitable for 02 accumulators
08.	<b>Inspection documents</b>	Third party Testing / Inspection Certificate for performance & leak test reports along-with inspection of QCP documents are per quoted standards
09.	<b>Recommended model types</b>	OLAER, HYDAC, NACOL HYDROLEUDUC etc.
10.	<b>Make</b>	European/ American / Japanese Brand/ <i>Chinese</i>

## Technical Specifications of 5-liter Accumulator

Sr. No.	Description		Qty.
01.	<b>Bladder Type Accumulator</b>		<b>01</b>
	Accumulator Type	Bladder Type	
	System Fluid	R-134a	
	Gas to be used in Bladder	N <sub>2</sub>	
	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.	<b>Accumulator Kit</b>	(compatible with offered model)	<b>02</b>
03.	<b>Charging Kit</b>		<b>01</b>
04.	<b>Safety Block</b>	(material of construction of wetted parts SS-304, & compatible with offered model)	<b>02</b>
05.	<b>Terms and conditions – documentation required</b>		
	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.	<b>Accessories</b>		
	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.	<b>Spares along-with the itemized cost</b>	
	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.	<b>Inspection documents</b>	Third party Testing / Inspection Certificate for performance & leak test reports along-with inspection of QCP documents are per quoted standards
09.	<b>Recommended model types</b>	OLAER, HYDAC, NACOL HYDROLEUDUC etc.
10.	<b>Make</b>	European/ American / Japanese Brand / <i>Chinese</i>