

FILTRATION & HYDRAULIC ACCESSORIES

Hydraulic Accumulators

Energy storage and pressure stabilisation for engineered circuits.

Ordering references: RBH 010 / RBH 025 / RBH 040 / RBH 055 / RBH 100 / RBH 120 / RBH 160 / ACC HST035 / ACC HST07 / ACC HST13 / ACC 0.32LT / ACC 0.75LT / ACC 1.4LT / ACC 2.8LT / ACC HB1 / ACC HB1.5 / ACC HB2.5 / ACC HB4.5 / ACC HB6 / ACC HB10 / ACC-HB10/2 / ACC HB20 / ACC HB25 / ACC HB35 / ACC HB50 / ACC CLAMP 92MM / ACC CLAMP114MM / ACC CLAMP125MM / ACC CLAMP168MM / ACC CLAMP180MM / ACC CLAMP219MM / ACC CLAMP240MM / ACC CLAMP250MM

Piston accumulator exact capacities and dimensions

Part code	Accumulator type	Bore mm	Hydraulic connection	Length l mm	Nominal capacity l	Outside diameter mm
RBH 010	piston	125	3/4 NPT	230	1	145
RBH 025	piston	125	3/4 NPT	350	2.5	145
RBH 040	piston	125	3/4 NPT	475	4	145
RBH 055	piston	125	3/4 NPT	600	5.5	145
RBH 100	piston	125	3/4 NPT	965	10	145
RBH 120	piston	125	3/4 NPT	1125	12	145
RBH 160	piston	125	3/4 NPT	1450	16	145

Piston accumulator capacity and external dimensions for the exact model. The listed model table does not establish working pressure, temperature or seal material. Confirm these limits for the selected model; bladder-accumulator ratings do not apply to this piston range.

Diaphragm accumulator HST selection / column group 1 of 2

Part code	Accumulator type	Dimension b mm	Dimension c mm	Dimension d mm	Dimension h mm	Hydraulic connection	Mass kg	Max flow l min (L/min)	Max nitrogen precharge bar
ACC HST035	diaphragm	100	22	101	152	M18×1.5 female	4	50	210
ACC HST07	diaphragm	80	22	100	218	M18×1.5 female	5.5	55	210
ACC HST13	diaphragm	180	22	125	232	M18×1.5 female	8.2	55	210

Identifying columns are repeated. Read all column groups together for the complete row specification.

Diaphragm accumulator HST selection / column group 2 of 2

Part code	Max pressure bar	Nominal capacity l
ACC HST035	300	0.35
ACC HST07	300	0.7
ACC HST13	300	1.3

Identifying columns are repeated. Read all column groups together for the complete row specification.

Diaphragm accumulator capacities, labelled dimensions and model-specific flow limits. Listed maximum pressure 300 bar; maximum nitrogen precharge 210 bar for this selection. Maximum precharge is a design limit; operating precharge must suit the circuit. Confirm fluid, seals, temperature and mounting drawing. Dimensions are confirmed for the selected model.

Small diaphragm accumulator model limits

Part code	Accumulator type	Body diameter mm	Mass kg	Nominal capacity l	max compression ratio	pressure bar	Temperature max c (°C)	Temperature min c (°C)
ACC 0.32LT	small diaphragm	93	1.4	0.32	1:8	210	90	-20
ACC 0.75LT	small diaphragm	120	2.6	0.75	1:8	210	90	-20
ACC 1.4LT	small diaphragm	150	4.9	1.4	1:6	250	90	-20
ACC 2.8LT	small diaphragm	174	10.8	2.8	1:4	250	90	-20

Small diaphragm accumulator model-specific capacity, pressure and compression-ratio selections. Temperature range -20°C to +90°C for the listed family. Pressure and compression-ratio limits vary by model. Confirm the hydraulic and gas connections and the application precharge; ambiguous gas-thread notation is not published as a verified connection.

Bladder accumulator exact model specification / column group 1 of 2

Part code	Accumulator type	Body material	Dimension b mm	Dimension ch mm	Dimension d mm	Dimension h mm	Hydraulic connection	Mass kg	Max flow l min (L/min)
ACC HB1	bladder	forged steel; grade not stated	52	36	114	295	3/4 BSP female	4.5	220
ACC HB1.5	bladder	forged steel; grade not stated	52	36	114	357	3/4 BSP female	5.5	220
ACC HB2.5	bladder	forged steel; grade not stated	63	50	114	520	1-1/4 BSP female	12	220
ACC HB4.5	bladder	forged steel; grade not stated	63	50	168	410	1-1/4 BSP female	16	400
ACC HB6	bladder	forged steel; grade not stated	63	50	168	505	1-1/4 BSP female	19.5	350
ACC HB10	bladder	forged steel; grade not stated	63	50	168	775	1-1/4 BSP female	36	300

Bladder accumulator exact model specification / column group 1 of 2

Part code	Accumulator type	Body material	Dimension b mm	Dimension ch mm	Dimension d mm	Dimension h mm	Hydraulic connection	Mass kg	Max flow l min (L/min)
ACC-HB10/2	bladder	forged steel; grade not stated	100	70	223	550	2 BSP female	48	630
ACC HB20	bladder	forged steel; grade not stated	100	70	223	870	2 BSP female	53	600
ACC HB25	bladder	forged steel; grade not stated	100	70	223	1030	2 BSP female	62	570
ACC HB35	bladder	forged steel; grade not stated	100	70	223	1400	2 BSP female	84	540
ACC HB50	bladder	forged steel; grade not stated	100	70	223	1900	2 BSP female	115	500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Bladder accumulator exact model specification / column group 2 of 2

Part code	Max nitrogen precharge bar	Max pressure bar	nitrogen volume l	Temperature max c (°C)	Temperature min c (°C)
ACC HB1	230	350	1	80	-20
ACC HB1.5	230	350	1.5	80	-20
ACC HB2.5	230	350	2.5	80	-20
ACC HB4.5	230	350	4	80	-20
ACC HB6	230	350	6	80	-20
ACC HB10	230	350	10	80	-20
ACC-HB10/2	230	350	10	80	-20
ACC HB20	230	350	18.5	80	-20
ACC HB25	230	350	24.9	80	-20
ACC HB35	230	350	33.5	80	-20
ACC HB50	230	350	49	80	-20

Identifying columns are repeated. Read all column groups together for the complete row specification.

Bladder accumulator gas volume, labelled dimensions, connection, flow and mass for each exact model. Standard listed selection: forged-steel body, 350 bar maximum pressure, 230 bar maximum nitrogen precharge and -20°C to +80°C. Maximum precharge is a design limit; operating precharge must suit the circuit. Material grade and standard bladder compound require confirmation; optional high-pressure or seal executions are

separate configurations.

Accumulator mounting clamp labelled dimensions

Part code	Dimension a mm	Dimension b mm	Dimension h mm	Dimension i mm	Dimension p max mm	Dimension p mm	Dimension s max mm	Dimension s min mm	Part type
ACC CLAMP 92MM	156	50	9	17	136	100	101	92	accumulator clamp
ACC CLAMP114MM	156	50	9	17	136	100	117	109	accumulator clamp
ACC CLAMP125MM	156	50	9	17	136	100	126	117	accumulator clamp
ACC CLAMP168MM	156	50	9	17	136	100	169	158	accumulator clamp
ACC CLAMP180MM	156	50	9	17	136	100	194	180	accumulator clamp
ACC CLAMP219MM	156	50	9	17	136	100	222	209	accumulator clamp
ACC CLAMP240MM	156	50	9	17	136	100	246	235	accumulator clamp
ACC CLAMP250MM	156	50	9	17	136	100	259	248	accumulator clamp

Accumulator clamp size ranges and labelled mounting dimensions. Confirm the original mounting drawing, material, fasteners and supported load. The clamp code is a size identifier, not a pressure rating.

Application & quotation checklist

Circuit position and required function; Flow, working pressure and temperature; Connection and installation dimensions; Filtration target or performance requirement

Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

Ratings apply only to the specified product and configuration. Confirm fluid compatibility, temperature, pressure transients, installation and complete assembly suitability. Ordering references do not establish interchangeability.