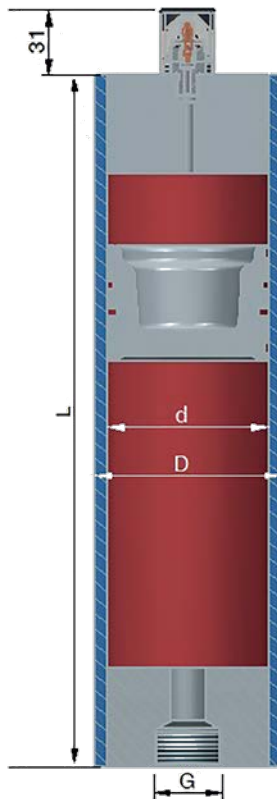


PISTON ACCUMULATOR HPA

HPAC SERIES, VOL. UP TO 50 L, STANDARD 350 BAR, CARBON STEEL



TECHNICAL DATA

PISTON DIAMETER

50 / 80 / 100 / 125 / 140 / 150 / 160 / 180 / 200 mm

VOLUME

0.1–50 litres

APPROVAL

DGRL 2014/68/EU

MAX. PERMISSIBLE PRESSURE (PS)

350 bar

PERMISSIBLE TEMPERATURES (TS)

-25°C ... +100°C

COATING

Black PU paint (RAL9017), corrosion protection C3h - ISO 12944-2

Other versions on request

MATERIALS

Body and components made of carbon steel

GAS VALVE

Standard valve HGV M16x2, others possible on request.

Safety valves and/or blocks according to PED on request

CONNECTIONS

BSP acc. to EN ISO 228, see table

ART.NO.	VOL [l]	Ø d [mm]	Ø D [mm]	L [mm]	G FLUID	WEIGHT [kg]
350 bar / piston Ø 50mm						
HPAC-350-050-0,1-101	0.1	50	60	130	G ¾"	1.9
HPAC-350-050-0,2-101	0.2	50	60	181	G ¾"	2.2
HPAC-350-050-0,3-101	0.3	50	60	232	G ¾"	2.6
HPAC-350-050-0,4-101	0.4	50	60	283	G ¾"	3
HPAC-350-050-0,5-101	0.5	50	60	334	G ¾"	3.3
HPAC-350-050-0,7-101	0.7	50	60	435	G ¾"	4
HPAC-350-050-001-101	1	50	60	588	G ¾"	5
350 bar / piston Ø 80mm						
HPAC-350-080-0,4-101	0.4	80	95	166	G ¾"	5.7
HPAC-350-080-0,5-101	0.5	80	95	186	G ¾"	6
HPAC-350-080-0,75-101	0.75	80	95	236	G ¾"	6.8
HPAC-350-080-001-101	1	80	95	286	G ¾"	7.6
HPAC-350-080-1,5-101	1.5	80	95	385	G ¾"	9.2
HPAC-350-080-002-101	2	80	95	485	G ¾"	10.8
HPAC-350-080-003-101	3	80	95	684	G ¾"	14.1
HPAC-350-080-004-101	4	80	95	883	G ¾"	17.3

Manufacturing tolerances are not taken into account. Subject to modifications.



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HPAC SERIES, VOL. UP TO 50 L, STANDARD 350 BAR, CARBON STEEL

ART.NO.	VOL [l]	Ø d [mm]	Ø D [mm]	L [mm]	G FLUID	WEIGHT [kg]
350 bar / piston Ø 100mm						
HPAC-350-100-002-101	2	100	115	381	G1"	14.8
HPAC-350-100-003-101	3	100	115	509	G1"	17.4
HPAC-350-100-004-101	4	100	115	636	G1"	19.9
HPAC-350-100-006-101	6	100	115	891	G1"	24.9
HPAC-350-100-008-101	8	100	115	1146	G1"	30
HPAC-350-100-010-101	10	100	115	1400	G1"	35.1
350 bar / piston Ø 125mm						
HPAC-350-125-004-101	4	125	145	457	G1"	28.2
HPAC-350-125-005-101	5	125	145	538	G1"	30.9
HPAC-350-125-006-101	6	125	145	620	G1"	33.7
HPAC-350-125-008-101	8	125	145	783	G1"	39.1
HPAC-350-125-010-101	10	125	145	946	G1"	44.5
HPAC-350-125-012-101	12	125	145	1109	G1"	49.9
HPAC-350-125-015-101	15	125	145	1353	G1"	58.1
HPAC-350-125-020-101	20	125	145	1761	G1"	71.7
350 bar / piston Ø 140mm						
HPAC-350-140-004-101	4	140	160	418	G 1 ½"	33.3
HPAC-350-140-005-101	5	140	160	483	G 1 ½"	35.7
HPAC-350-140-006-101	6	140	160	548	G 1 ½"	38.1
HPAC-350-140-010-101	10	140	160	808	G 1 ½"	47.7
HPAC-350-140-012-101	12	140	160	938	G 1 ½"	52.5
HPAC-350-140-015-101	15	140	160	1133	G 1 ½"	59.7
HPAC-350-140-020-101	20	140	160	1458	G 1 ½"	71.7
HPAC-350-140-025-101	25	140	160	1783	G 1 ½"	83.7
350 bar / piston Ø 150mm						
HPAC-350-150-005-101	5	150	170	445	G 1 ½"	39
HPAC-350-150-006-101	6	150	170	502	G 1 ½"	41.3
HPAC-350-150-010-101	10	150	170	728	G 1 ½"	50.2
HPAC-350-150-012-101	12	150	170	841	G 1 ½"	54.6
HPAC-350-150-015-101	15	150	170	1011	G 1 ½"	61.3
HPAC-350-150-020-101	20	150	170	1294	G 1 ½"	72.5
HPAC-350-150-025-101	25	150	170	1577	G 1 ½"	83.6
HPAC-350-150-030-101	30	150	170	1860	G 1 ½"	92.5
350 bar / piston Ø 160mm						
HPAC-350-160-006-101	6	160	180	490	G 1 ½"	48.9
HPAC-350-160-008-101	8	160	180	589	G 1 ½"	53.1
HPAC-350-160-010-101	10	160	180	689	G 1 ½"	57.3
HPAC-350-160-015-101	15	160	180	937	G 1 ½"	67.6

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PISTON ACCUMULATOR HPA

HPAC SERIES, VOL. UP TO 50 L, STANDARD 350 BAR, CARBON STEEL

ART.NO.	VOL [l]	Ø d [mm]	Ø D [mm]	L [mm]	G FLUID	WEIGHT [kg]
350 bar / piston Ø 160mm						
HPAC-350-160-020-101	20	160	180	1186	G 1 ½"	78.1
HPAC-350-160-025-101	25	160	180	1435	G 1 ½"	88.5
HPAC-350-160-030-101	30	160	180	1684	G 1 ½"	99
350 bar / piston Ø 180mm						
HPAC-350-180-008-101	8	180	205	496	G 1 ½"	68.3
HPAC-350-180-010-101	10	180	205	574	G 1 ½"	73
HPAC-350-180-012-101	12	180	205	653	G 1 ½"	77.6
HPAC-350-180-015-101	15	180	205	771	G 1 ½"	84.6
HPAC-350-180-020-101	20	180	205	1005	G 1 ½"	96.3
HPAC-350-180-025-101	25	180	205	1164	G 1 ½"	107.9
HPAC-350-180-030-101	30	180	205	1361	G 1 ½"	119.6
HPAC-350-180-035-101	35	180	205	1557	G 1 ½"	131.3
HPAC-350-180-040-101	40	180	205	1754	G 1 ½"	143
350 bar / piston Ø 200mm						
HPAC-350-200-010-101	10	200	230	529	G 1 ½"	89
HPAC-350-200-015-101	15	200	230	688	G 1 ½"	101.5
HPAC-350-200-020-101	20	200	230	847	G 1 ½"	114
HPAC-350-200-025-101	25	200	230	1007	G 1 ½"	126.5
HPAC-350-200-030-101	30	200	230	1166	G 1 ½"	139
HPAC-350-200-035-101	35	200	230	1325	G 1 ½"	151.5
HPAC-350-200-040-101	40	200	230	1484	G 1 ½"	164
HPAC-350-200-045-101	45	200	230	1644	G 1 ½"	176.5
HPAC-350-200-050-101	50	200	230	1803	G 1 ½"	190

Manufacturing tolerances are not taken into account. Subject to modifications.

PISTON ACCUMULATOR HPA

TYPE CODE

HYDRAULIC PISTON ACCUMULATOR HPA		HPA C - 250 - 100 - 010 - AR - 00 - 01 - ST - 10 - N											
Material													
Carbon steel	C												
Max. operating pressure [bar]													
220 / 250 / 280 / 350 / 375 / 415 / 500													
Piston diameter [mm]													
50, 80, 100, 125, 140, 150, 160, 180, 200, 250, 310, 360													
Volume													
0.1 ... 250 [litres] larger on request													
Fluid connection													
Type													
Size													
(See table) e.g. AR = G1"													
Gas-side connection													
00 = none													
(See size chart) e.g. EN = NPT ½"													
Gas valve													
none	00												
Minimess 1620 M16x2	01												
Integr. gas valve, IG ¾" (standard from 60L)	05												
Others on request	Z												
Sealing system													
Standard	ST												
Low temperature	TT												
Special	Z												
Coating (paint)													
none	00												
PU paint, black RAL9017 (up to 50L standard)	10												
Primer, beige (standard for > 50L)	20												
Others on request	Z												
Options													
No option	N												
Article description	Y												

CONNECTION TABLE FOR FLUID AND GAS SIDE

	TYPE	K	L	M	N	P	R	S	T	U	V	W
Thread ISO 228-1 (G)	A	G ½"	G ¼"	G ¾"	G ½"	G ¾"	G 1"	G 1¼"	G 1½"	G 2"	G 2½"	G 3"
Thread ISO 6149-1 (M)	B	M10x1	M12x1.5	M14x1.5	M18x1.5	M22x1.5	M27x2	M33x2	M42x2	M18x2	-	-
SAE flange ISO 6162-1 3000 psi	C	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	-	-	-
SAE flange ISO 6162-2 6000 psi	D	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	-	-	-
NPT	E	½"	¼"	¾"	½"	¾"	1"	1¼"	1½"	-	-	-
Autoclave	F	-	¼"	¾"	-	-	-	-	-	-	-	-