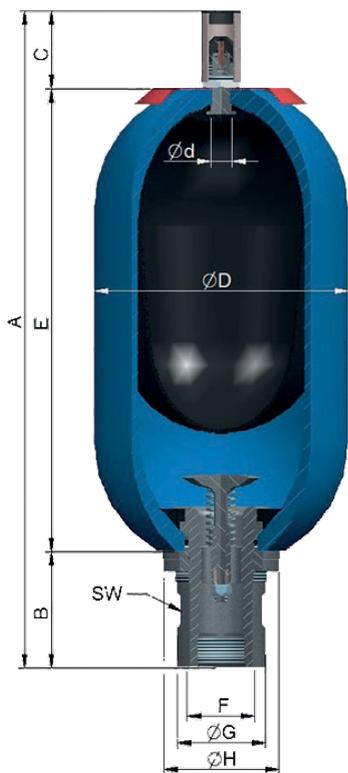


BLADDER ACCUMULATOR HBS

HBS FOR INCREASED VOLUME FLOW



Series with flow-optimised oil valve for high volume flows up to 1600 l/min.

TECHNICAL DATA

VOLUME
1–57 litres

MAX. PERMISSIBLE PRESSURE (PS)
330 bar

PERMISSIBLE TEMPERATURES (TS)
-20°C to +80°C

COATING
Primed, RAL 5015

APPROVAL

DGRL 2014/68/EU, Design EN 14359, CE marking:
applicable within the validity and acceptance range of PED
Eurasian Economic Area: Applicable with EAC declaration (TR-CU 032)
China: Applicable with additional documentation according to directives
of the Chinese AQSIQ authority
Corresponding certificates can be supplied.

Other designs and approvals on request

MATERIALS

Body and connections: Carbon steel
Bladder: NBR

GAS VALVE

7/8" - 14 UNF

CONNECTIONS

BSP EN ISO 228, see table

DESIGNATION	GAS VOLUME [l]	MAX. OPERATING PRESSURE [BAR]	WEIGHT [KG]	Q MAX. [l/MIN]	DIMENSIONS										P ₀ :P ₂ *
					A	B	C	ØD	Ød	E	F	ØG	ØH	SW1	
HBS 10-330/... K	9.2	330	32	1600	572	101	68	221	22	417	G 2"	76	101	70	1:4
HBS 12-330/...	11.2	330	35	1600	686	101	68	221	22	517	G 2"	76	101	70	1:4
HBS 20-330/...	18.1	330	53	1600	882	101	68	221	22	713	G 2"	76	101	70	1:4
HBS 24-330/...	22.5	330	61	1600	1017	101	68	221	22	848	G 2"	76	101	70	1:4
HBS 32-330/...	33.4	330	85	1600	1402	101	68	221	22	1233	G 2"	76	101	70	1:4
HBS 50-330/...	48.7	330	123	1600	1917	101	68	221	22	1748	G 2"	76	101	70	1:4
HBS 57-330/...	53	330	129	1600	2012	101	68	221	22	1843	G 2"	76	101	70	1:4

* Max. permissible pressure ratio.

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



BLADDER ACCUMULATOR HBS

TYPE CODE

BLADDER ACCUMULATOR HBS		HBS 50 - 330 / 90 E 330 A A 25 A A D 000 X
Nominal size		
1 / 2.5 / 4.0 / 5.0 / 6.0 / 10 / 12 / 20 / 24 / 32 / 50 / 57		
Max. operating pressure		
E.g.: 330 or 350		
Approval identification		
ATEX	96	
CE + ASME	94	
CE	90	
CE + SELO	88	
DNV	73	
TRCU	71	
Further country approvals on request	XX	
Calculation standard		
EN 14359 (standard)	E	
AD 2000 (on request)	D	
ASME	A	
EN 14359 + ASME	U	
Permissible approval operating pressure [bar]		
Accumulator body material		
Carbon steel	A	
Carbon steel, plastic coating inside & outside	B	
Carbon steel, chemically nickel-plated inside & outside	C	
Stainless steel	R	
Fluid connection material		
Carbon steel	A	
Stainless steel	R	
Bladder material		
NBR (standard)	25	
ECO (hydrin)	02	
TT-NBR	10	
IIR (butyl)	40	
EPDM	47	
FKM (viton)	80	
Gas connection material		
Carbon steel	A	
Special connection, details in article description	Z	
Size of gas connection*		
7/8" - 14 UNF	A	
5/8" - 18 UNF	B	
Other designs, details in article description	Z	
Size of oil connection		
IG 3/4"	B	
IG 1 1/4"	C	
IG 2"	D	
M50 x 1.5	G	
Flange connection, details in article description	H	
High flow oil valve	I	
SAE 2" 3000 PSI	J	
SAE 1 1/2" 3000 PSI	K	
SAE 1 1/2" 6000 PSI	L	
Special connection, details in article description	Z	
Nitrogen precharging		
Standard 000 = transport precharge		
Special design (details depending on order)		
ATEX	X	
Details in article description e.g. paintwork RAL 5003	Z	