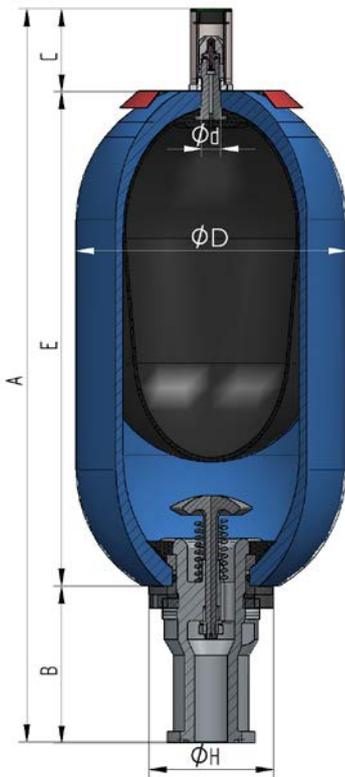


BLADDER ACCUMULATOR HBS

HBS SAE FLANGE CONNECTION



Flangeable oil valve according to SAE standard.

TECHNICAL DATA

VOLUME
10–57 litres

MAX. PERMISSIBLE PRESSURE (PS)
207 bar with SAE 3000 PSI flange
330 bar with SAE 6000 PSI flange

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

COATING
Primed, RAL 5015

MATERIALS

Body and connections: Carbon steel
Bladder: NBR

GAS VALVE
7/8" - 14 UNF

AVAILABLE CONNECTIONS

SAE 2" 3000 PSI
SAE 1½" 3000 PSI
SAE 1½" 6000 PSI

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

DESIGNATION	SAE FLANGE PSI	GAS VOLUME [l]	MAX. OPERATING PRESSURE [BAR]	WEIGHT [KG]	Q MAX. [l/MIN]	DIMENSIONS						P ₀ :P ₂ *	
						A	B	C	ØD	Ød	E		ØH
HBS 10-330/... K	3000	9.2	330	32	900	698	128	68	221	22	417	101	1:4
	6000	9.2	330	32	900	705	135	68	221	22	417	101	1:4
HBS 12-330/...	3000	11	330	35	900	713	128	68	221	22	517	101	1:4
	6000	11	330	35	900	720	135	68	221	22	517	101	1:4
HBS 20-330/...	3000	18	330	53	900	930	128	68	221	22	727	101	1:4
	6000	18	330	53	900	937	135	68	221	22	727	101	1:4
HBS 24-330/...	3000	23	330	61	900	1093	128	68	221	22	862	101	1:4
	6000	23	330	61	900	1102	135	68	221	22	862	101	1:4
HBS 32-330/...	3000	33	330	85	900	1445	128	68	221	22	1250	101	1:4
	6000	33	330	85	900	1452	135	68	221	22	1250	101	1:4
HBS 50-330/...	3000	48.7	330	123	900	1955	128	68	221	22	1758	101	1:4
	6000	48.7	330	123	900	1962	135	68	221	22	1758	101	1:4
HBS 57-330/...	3000	53	330	129	900	2045	128	68	221	22	1843	101	1:4
	6000	53	330	129	900	2052	135	68	221	22	1843	101	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	