



GH2

2-WAY HIGH PRESSURE BALL VALVES

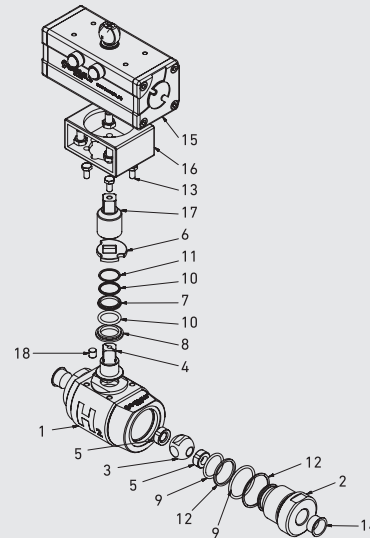
- For hydrogen application
- Up to PN1000

Edition. 21.2

SS Stainless Steel

- Type: ball valve 2 way high cycle
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN1000
- Treatment: Galvanized

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	SS Stainless Steel MATERIAL
1	Body	1	ASTM A479 TP.316
2	Adapter	1	ASTM A479 TP.316
3	Ball	1	ASTM A182 FXM-19
4	Stem	1	ASTM A182 FXM-19
5	Ball seat	2	GEM_PA
6	Washer	1	AISI 316
7	Upper Bushing	1	GEM_PA
8	Lower Bushing	1	GEM_PA
9	Adapter o-ring	2	FKM AED
10	Stem o-ring	2	FKM AED
11	Stem Back-up	1	PTFE
12	Adapter Back-up	2	PTFE
13	Screws	8	ISO 4017 A4
14	Caps	2	PVC
15	Actuator	1	N/A
16	Connector	1	1.0737
17	Joint	1	1.0737
18	Pin	1	AISI 316



CODE DESCRIPTION STRUCTURE

GH2 | **G1/2** | **DN13** | **4** | **4** | **J** | **4** | **A** | **B**

Type and way of valve

GH2 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16

Size

From DN6 to DN25

Body Material

ASTM A479 TP.316

Adapter material

ASTM A479 TP.316

Steam material

ASTM A182 FXM-19

Ball Material

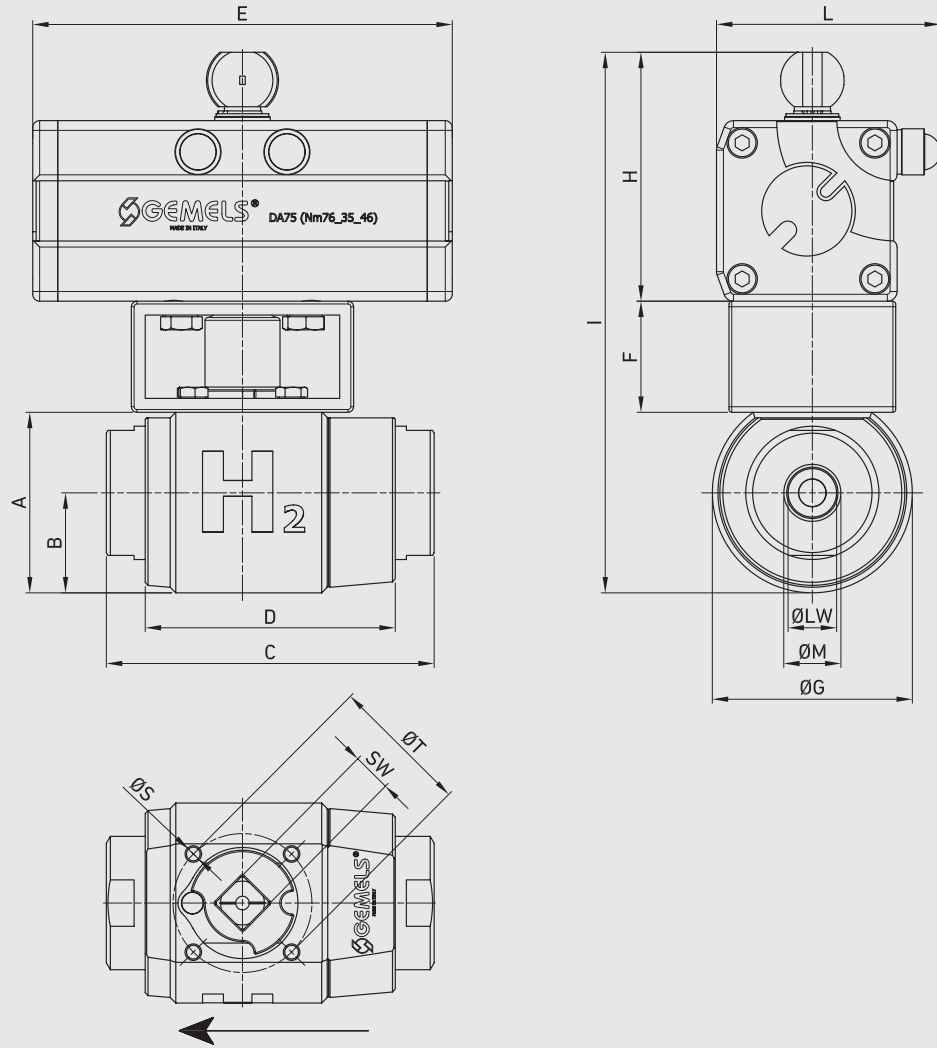
ASTM A182 FXM-19

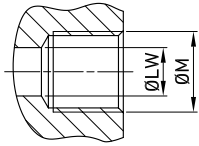
Seat material

GEM PA

Seal material

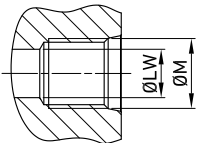
FKM AED





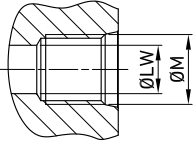
GH2 DIN/ISO 228 BSP

TYPE	DN	PN	A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	
GH2	6	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	G 1/4	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	10	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	G 3/8	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	13	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	G 1/2	M6	50	F05	14	12
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,47
GH2	20	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	G 3/4	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71
GH2	25	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	G 1	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71



GH2 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN	A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	
GH2	6	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	N 1/4	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	10	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	N 3/8	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	13	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	N 1/2	M6	50	F05	14	12
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,47
GH2	20	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	N 3/4	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71
GH2	25	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	N 1	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71



GH2 SAE J1926-1

TYPE	DN	PN	A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	
GH2	6	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	7/16 UNF	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	10	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	9/16 UNF	M6	50	F05	14	10
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,39
GH2	13	MPa 100	mm	65,5	36	118	90	151	40	72	90	195	3/4 UNF	M6	50	F05	14	12
		Psi 14500	inch	2,58	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			1,97		0,55	0,47
GH2	20	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	1 1/16 UNF	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71
GH2	25	MPa 100	mm	78,5	42	126,5	98,5	151	40	84	90	208,5	1 5/16 UNF	M6	50	F05	14	18
		Psi 14500	inch	3,09	1,65	4,98	3,88	5,94	1,57	3,31	3,54	8,21			1,97		0,55	0,71