

GM S800 - API3000 - PN500

2-WAY HIGH PRESSURE BALL VALVES

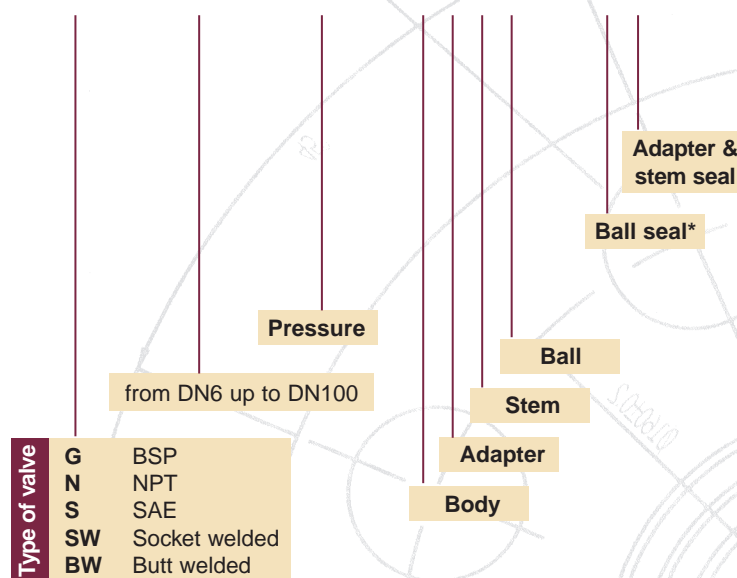


SPECIFICATIONS

• Type	ball valve GM 2way
• Body	round
• Material	A105 / AISI 316L
• Size	from DN6 up to DN100
• O-Rings	NBR, FPM, MQV, EPDM, FFKM
• Operating pressure	500 Bar depending on valve size and seal materials selected
• Temp range	-20°C to +100°C for A105 -60°C to +230°C for AISI 316L

MODEL CODE

GM G 1/2 DN13 PN500 316L/316L GEMPTFE



MATERIAL CLASSIFICATION

N.	DIN	W.Nr	AISI	ASTM
2	St 52-3	1.0570	-	A105
4	X2 CrNiMo 18 12	1.4435	316L	-
6	X5 CrNi 189	1.4301	304	-
L	14Ni6	1.5622		A350LF2

SEAL CLASSIFICATION

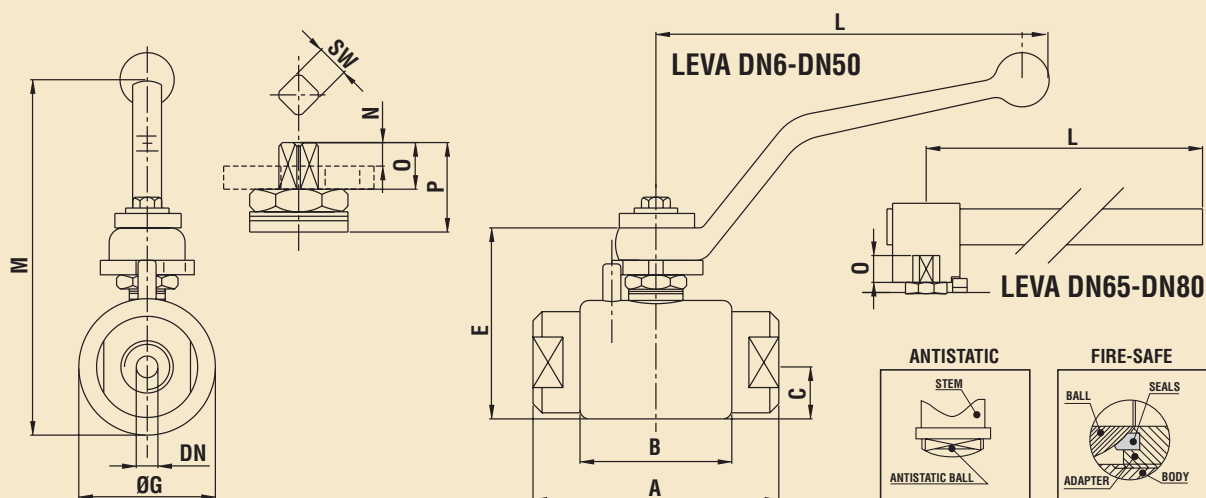
A	POM	G	PA 612
B	NBR70 (BUNA)	K	GEMPTFE
C	RPTFE	H	PCTFE
D	PEEK	I	KARLEZ®
E	FKM	L	MVQ (silicon)
F	EPDM	M	Metal to Metal

*For the complete list of plastic material compatibility see pp. 40.6

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TECHNICAL DRAWING



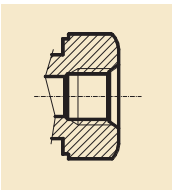
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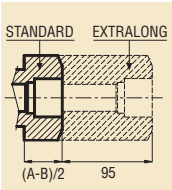
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM G 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT1A024F000
GM G 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT2A024F000
GM G 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT3A024F000
GM G 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT4A024F000
GM G 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT5A024F000
GM G 1 1/4"	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT6A024F000
GM G 1 1/2"	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT7A024F000
GM G 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT8A024F000
GM G 2 1/2"	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2GGT9A024F000
GM G 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2GGTAA024F000
GM G 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2GGTBA024F000

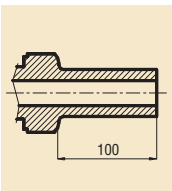
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TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM N 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT1A024F000
GM N 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT2A024F000
GM N 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT3A024F000
GM N 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT4A024F000
GM N 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT5A024F000
GM N 1 1/4"	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT6A024F000
GM N 1 1/2"	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT7A024F000
GM N 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT8A024F000
GM N 2 1/2"	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2NNT9A024F000
GM N 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2NNTAA024F000
GM N 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2NNTBA024F000



SAE J514 APR.80		A105/316L RPTFE											S800			
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code	
	GM SAE 4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE0A024F000
	GM SAE 6	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE1A024F000
	GM SAE 8	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE2A024F000
	GM SAE 12	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE3A024F000
	GM SAE 16	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE4A024F000
	GM SAE 20	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE5A024F000
	GM SAE 24	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE6A024F000
	GM SAE 32	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE7A024F000

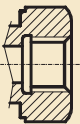
		S800														
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code	
	GM SW 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT1A024F000
	GM SW 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT2A024F000
	GM SW 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT3A024F000
	GM SW 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT4A024F000
	GM SW 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT5A024F000
	GM SW 1 1/4"	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT6A024F000
	GM SW 1 1/2"	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT7A024F000
	GM SW 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT8A024F000
	GM SW 2 1/2"	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2TTT9A024F000
	GM SW 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2TTTAA024F000
	GM SW 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2TTTBA024F000


		S800														
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code	
	GM BW 1/4	S800	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT1A024F000
	GM BW 3/8	S800	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT2A024F000
	GM BW 1/2	S800	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT3A024F000
	GM BW 3/4	S800	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT4A024F000
	GM BW 1"	S800	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT5A024F000
	GM BW 1 1/4"	S800	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT6A024F000
	GM BW 1 1/2"	S800	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT7A024F000
	GM BW 2"	S800	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT8A024F000
	GM BW 2 1/4"	S800	65	367	105	70	219	150	600	-	-	27	-	16	13.50	GM2BWT9A024F000
	GM BW 3"	S800	80	384	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2BWTAA024F000
	GM BW 4"	S800	100	432	148	100	270	200	600	-	-	27	-	19	35.00	GM2BWTBA024F000


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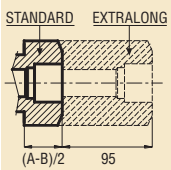
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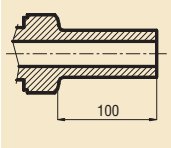
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TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code	
 GM G 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT1A044F000	
GM G 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT2A044F000	
GM G 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT3A044F000	
GM G 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT4A044F000	
GM G 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT5A044F000	
GM G 1" 1/4	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT6A044F000	
GM G 1" 1/2	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT7A044F000	
GM G 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT8A044F000	
GM G 2" 1/2	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2GGT9A044F000	
GM G 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2GGTAA044F000	
GM G 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2GGTBA044F000	

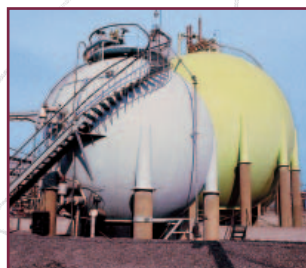
														S800	
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
 GM N 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT1A044F000
GM N 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT2A044F000
GM N 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT3A044F000
GM N 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT4A044F000
GM N 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT5A044F000
GM N 1" 1/4	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT6A044F000
GM N 1" 1/2	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT7A044F000
GM N 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT8A044F000
GM N 2" 1/2	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2NNT9A044F000
GM N 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2NNTAA044F000
GM N 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2NNTBA044F000

														S800	
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
 GM SAE 4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE0A044F000
GM SAE 6	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE1A044F000
GM SAE 8	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE2A044F000
GM SAE 12	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE3A044F000
GM SAE 16	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE4A044F000
GM SAE 20	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE5A044F000
GM SAE 24	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE6A044F000
GM SAE 32	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE7A044F000



SW		316L/316L RPTFE													S800	
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SW 1/4	S800	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT1A044F000
	GM SW 3/8	S800	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT2A044F000
	GM SW 1/2	S800	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT3A044F000
	GM SW 3/4	S800	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT4A044F000
	GM SW 1"	S800	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT5A044F000
	GM SW 1 1/4	S800	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT6A044F000
	GM SW 1 1/2	S800	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT7A044F000
	GM SW 2"	S800	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT8A044F000
	GM SW 2 1/2	S800	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2TTT9A044F000
	GM SW 3"	S800	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2TTTAA044F000
GM SW 4"	S800	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2TTTB044F000	

															S800	
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM BW 1/4	S800	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT1A044F000
	GM BW 3/8	S800	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT2A044F000
	GM BW 1/2	S800	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT3A044F000
	GM BW 3/4	S800	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT4A044F000
	GM BW 1"	S800	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT5A044F000
	GM BW 1 1/4	S800	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT6A044F000
	GM BW 1 1/2	S800	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT7A044F000
	GM BW 2"	S800	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT8A044F000
	GM BW 2 1/4	S800	65	367	105	70	219	150	600	-	-	27	-	16	13.50	GM2BWT9A044F000
	GM BW 3"	S800	80	384	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2BWTAA044F000
GM BW 4"	S800	100	432	148	100	270	200	600	-	-	27	-	19	35.00	GM2BWTBA044F000	



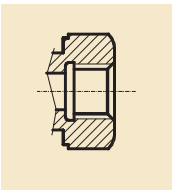
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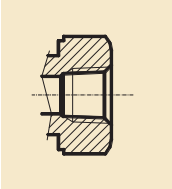
FEMALE GAS DIN/ISO 228 BSP A105/316L GEMPTFE

S3000



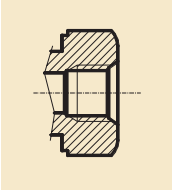
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GM G 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT2F024L000
GM G 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT3F024L000
GM G 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT4F024L000
GM G 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT5F024L000
GM G 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT6F024L000
GM G 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT7F024L000
GM G 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT8F024L000
GM G 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2GGT9F024L000
GM G 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2GGTAF024L000
GM G 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2GGTBF024L000

S3000



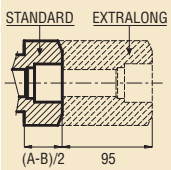
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GM N 1/4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT1F024L000
GM N 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT2F024L000
GM N 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT3F024L000
GM N 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT4F024L000
GM N 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT5F024L000
GM N 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT6F024L000
GM N 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT7F024L000
GM N 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT8F024L000
GM N 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2NNT9F024L000
GM N 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2NNTAF024L000
GM N 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2NNTBF024L000

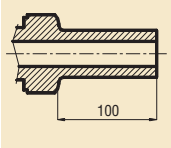
S3000



TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM SAE 4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE0F024L000
GM SAE 6	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE1F024L000
GM SAE 8	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE2F024L000
GM SAE 12	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE3F024L000
GM SAE 16	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE4F024L000
GM SAE 20	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE5F024L000
GM SAE 24	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE6F024L000
GM SAE 32	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE7F024L000



SW		A105/316L GEMPTFE												S3000		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SW 1/4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT1F024L000
	GM SW 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT2F024L000
	GM SW 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT3F024L000
	GM SW 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT4F024L000
	GM SW 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT5F024L000
	GM SW 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT6F024L000
	GM SW 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT7F024L000
	GM SW 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT8F024L000
	GM SW 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2TTT9F024L000
	GM SW 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2TTTAF024L000
	GM SW 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2TTTBF024L000

		S3000														
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM BW 1/4	S3000	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT1F024L000
	GM BW 3/8	S3000	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT2F024L000
	GM BW 1/2	S3000	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT3F024L000
	GM BW 3/4	S3000	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT4F024L000
	GM BW 1"	S3000	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT5F024L000
	GM BW 1" 1/4	S3000	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT6F024L000
	GM BW 1" 1/2	S3000	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT7F024L000
	GM BW 2"	S3000	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT8F024L000
	GM BW 2" 1/4	S3000	65	367	105	70	219	150	600	-	-	27	-	16	13.50	GM2BWT9F024L000
	GM BW 3"	S3000	80	384	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2BWTAF024L000
	GM BW 4"	S3000	100	432	148	100	270	200	600	-	-	27	-	19	35.00	GM2BWTBF024L000



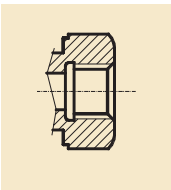
"The company reserves the right to operate dimensional changes without prior notice".

GM S800 - API3000 - PN500

2-WAY HIGH PRESSURE BALL VALVES

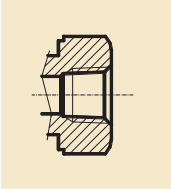
FEMALE GAS DIN/ISO 228 BSP 316L/316L GEMPTFE

S3000



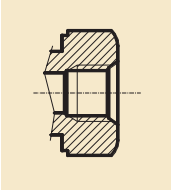
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM G 1/4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT1F044L000
GM G 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT2F044L000
GM G 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT3F044L000
GM G 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT4F044L000
GM G 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT5F044L000
GM G 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT6F044L000
GM G 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT7F044L000
GM G 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT8F044L000
GM G 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2GGT9F044L000
GM G 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2GGTAF044L000
GM G 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2GGTBF044L000

S3000



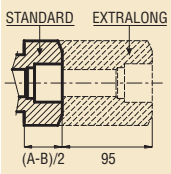
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM N 1/4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT1F044L000
GM N 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT2F044L000
GM N 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT3F044L000
GM N 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT4F044L000
GM N 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT5F044L000
GM N 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT6F044L000
GM N 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT7F044L000
GM N 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT8F044L000
GM N 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2NNT9F044L000
GM N 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2NNTAF044L000
GM N 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2NNTBF044L000

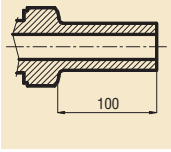
S3000



TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM SAE 4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE0F044L000
GM SAE 6	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE1F044L000
GM SAE 8	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE2F044L000
GM SAE 12	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE3F044L000
GM SAE 16	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE4F044L000
GM SAE 20	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE5F044L000
GM SAE 24	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE6F044L000
GM SAE 32	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE7F044L000



SW		316L/316L GEMPTFE												S3000		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SW 1/4	S3000	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT1F044L000
	GM SW 3/8	S3000	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT2F044L000
	GM SW 1/2	S3000	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT3F044L000
	GM SW 3/4	S3000	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT4F044L000
	GM SW 1"	S3000	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT5F044L000
	GM SW 1" 1/4	S3000	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT6F044L000
	GM SW 1" 1/2	S3000	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT7F044L000
	GM SW 2"	S3000	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT8F044L000
	GM SW 2" 1/2	S3000	65	177	105	70	219	150	600	-	-	27	-	16	13.50	GM2TTT9F044L000
	GM SW 3"	S3000	80	194	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2TTTAF044L000
	GM SW 4"	S3000	100	232	148	100	270	200	600	-	-	27	-	19	35.00	GM2TTTBF044L000

														S3000		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM BW 1/4	S3000	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT1F044L000
	GM BW 3/8	S3000	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT2F044L000
	GM BW 1/2	S3000	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT3F044L000
	GM BW 3/4	S3000	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT4F044L000
	GM BW 1"	S3000	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT5F044L000
	GM BW 1" 1/4	S3000	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT6F044L000
	GM BW 1" 1/2	S3000	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT7F044L000
	GM BW 2"	S3000	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT8F044L000
	GM BW 2" 1/4	S3000	65	367	105	70	219	150	600	-	-	27	-	16	13.50	GM2BWT9F044L000
	GM BW 3"	S3000	80	384	114	77.5	234.5	167	600	-	-	27	-	16	23.50	GM2BWTAF044L000
	GM BW 4"	S3000	100	432	148	100	270	200	600	-	-	27	-	19	35.00	GM2BWTBF044L000



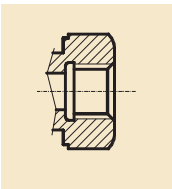
"The company reserves the right to operate dimensional changes without prior notice".

GM S800 - API3000 - PN500

2-WAY HIGH PRESSURE BALL VALVES

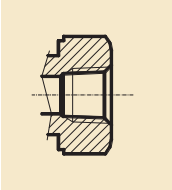
FEMALE GAS DIN/ISO 228 BSP A105/316L GEMPTFE

PN500



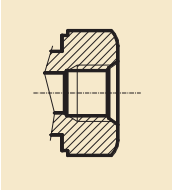
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM G 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT15024L000
GM G 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT25024L000
GM G 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT35024L000
GM G 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT44024L000
GM G 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT53024L000
GM G 1 1/4"	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT63024L000
GM G 1 1/2"	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT73024L000
GM G 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT83024L000

PN500



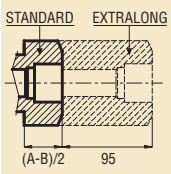
TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM N 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT15024L000
GM N 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT25024L000
GM N 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT35024L000
GM N 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT44024L000
GM N 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT53024L000
GM N 1 1/4"	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT63024L000
GM N 1 1/2"	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT73024L000
GM N 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT83024L000

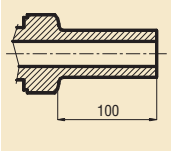
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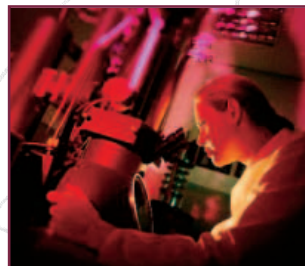


TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
GM SAE 4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE05024L000
GM SAE 6	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE15024L000
GM SAE 8	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE25024L000
GM SAE 12	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE34024L000
GM SAE 16	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE43024L000
GM SAE 20	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE53024L000
GM SAE 24	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE63024L000
GM SAE 32	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE73024L000



SW		A105/316L GEMPTFE												PN500		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SW 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT15024L000
	GM SW 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT25024L000
	GM SW 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT35024L000
	GM SW 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT44024L000
	GM SW 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT53024L000
	GM SW 1" 1/4	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT63024L000
	GM SW 1" 1/2	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT73024L000
	GM SW 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT83024L000

														PN500		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM BW 1/4	PN500	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT15024L000
	GM BW 3/8	PN500	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT25024L001
	GM BW 1/2	PN500	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT35024L002
	GM BW 3/4	PN400	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT44024L000
	GM BW 1"	PN350	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT53024L000
	GM BW 1" 1/4	PN350	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT63024L000
	GM BW 1" 1/2	PN350	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT73024L000
	GM BW 2"	PN350	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT83024L000



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GM S800 - API3000 - PN500

2-WAY HIGH PRESSURE BALL VALVES

FEMALE GAS DIN/ISO 228 BSP 316L/316L GEMPTFE

PN500

	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM G 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT15044L000
	GM G 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2GGT25044L000
	GM G 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2GGT35044L000
	GM G 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2GGT44044L000
	GM G 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2GGT53044L000
	GM G 1 1/4	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2GGT63044L000
	GM G 1 1/2	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2GGT73044L000
	GM G 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2GGT83044L000

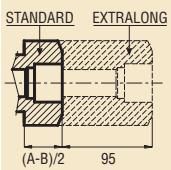
PN500

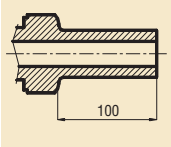
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM N 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT15044L000
	GM N 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2NNT25044L000
	GM N 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2NNT35044L000
	GM N 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2NNT44044L000
	GM N 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2NNT53044L000
	GM N 1 1/4	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2NNT63044L000
	GM N 1 1/2	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2NNT73044L000
	GM N 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2NNT83044L000

PN500

	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SAE 4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE05044L000
	GM SAE 6	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2EEE15044L000
	GM SAE 8	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2EEE25044L000
	GM SAE 12	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2EEE34044L000
	GM SAE 16	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2EEE43044L000
	GM SAE 20	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2EEE53044L000
	GM SAE 24	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2EEE63044L000
	GM SAE 32	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2EEE73044L000



SW		316L/316L GEMPTFE												PN500		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM SW 1/4	PN500	6	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT15044L000
	GM SW 3/8	PN500	10	73	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2TTT25044L000
	GM SW 1/2	PN500	13	82	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2TTT35044L000
	GM SW 3/4	PN400	20	98	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2TTT44044L000
	GM SW 1"	PN350	25	107	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2TTT53044L000
	GM SW 1" 1/4	PN350	32	128	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2TTT63044L000
	GM SW 1" 1/2	PN350	40	136	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2TTT73044L000
	GM SW 2"	PN350	50	161	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2TTT83044L000

														PN500		
	TYPE	PN	DN	A	B	C	E	ØG	L	M	N	O	P	SW	KG	Item Code
	GM BW 1/4	PN500	6	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT15044L000
	GM BW 3/8	PN500	10	263	44	23.5	63	47	110	100	11	14	22	9	0.80	GM2BWT25044L001
	GM BW 1/2	PN500	13	273	48	26.5	69	53	110	106	11	14	22	9	1.10	GM2BWT35044L002
	GM BW 3/4	PN400	20	288	62	31.5	85.5	63	180	114	14	18	29.5	14	2.15	GM2BWT44044L000
	GM BW 1"	PN350	25	297	66	36.5	95.5	73	180	124	14	18	29.5	14	2.90	GM2BWT53044L000
	GM BW 1" 1/4	PN350	32	318	83	42	106.5	84	180	135	14	18	29.5	14	4.65	GM2BWT63044L000
	GM BW 1" 1/2	PN350	40	326	89	49.5	121.5	99	180	150	14	18	29.5	14	6.60	GM2BWT73044L000
	GM BW 2"	PN350	50	351	101	52	126.5	104	180	155	14	18	29.5	14	8.10	GM2BWT83044L000

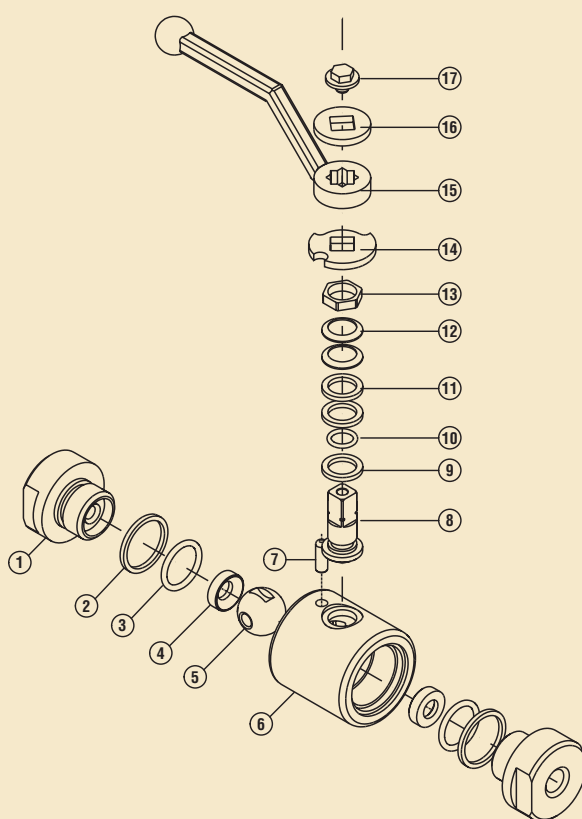


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GM S800 - API3000 - PN500

2-WAY HIGH PRESSURE BALL VALVES

EXPLODED DRAWING



1	2	Adapter DN6	A105/AISI 316L
2	2	Seal adapter	RPTFE - GRAPHITE
3	2	O-ring	NBR 70
4	2	Seal ball	RPTFE - POM - PA612 GEMPTFE - PEEK
5	1	Ball	F316L
6	1	Body	A105/AISI 316L
7	1	Spine	AISI 303
8	1	Stem	F316L
9	2	Seal stem	RPTFE - GRAPHITE
10	1	O'ring	NBR 70
11	1	Washer press	AISI 304
12	2	Disk-spring	AISI 304
13	1	Nut	AISI 304
14	1	Washer	AISI 304
15	1	Handle	Fe37/AISI 304
16	1	Washer	AISI 304
17	1	Screw	AISI 304

MAXIMUM AND MINIMUM ADMISSIBLE WORKING TEMPERATURES FOR SEAL

POM	-30 [∞]	+100 [∞]
NBR	-30 [∞]	+100 [∞]
RPTFE	-220 [∞]	+230 [∞]
PEEK	-50 [∞]	+250 [∞]
VITON	-25 [∞]	+200 [∞]
EPDM	-50 [∞]	+150 [∞]
PA612	-45 [∞]	+145 [∞]
GEMPTFE	-220 [∞]	+230 [∞]
HNBR	-40 [∞]	+150 [∞]
	0-°C	

CAPACITY COEFFICIENT

Test with water at 20°C		
DN FB	Cv / G.P.M.	Kv / m³h
6	5	4.27
10	7	6
13	35	30.2
20	61	53.7
25	105	90.66
32	210	179.5
40	285	245.2
50	425	364.52
65	750	645.4
80	1038	889.5
100	NR	NR

ON REQUEST

- Reduced bore
 - O-Ring in EPDM, FFKM, MQV
 - Seals in POM, PEEK, PA 612, RPTFE, GEMPTFE
 - Special Threads
 - Body in AISI 316L
 - Ball in AISI 316
 - Pressure Class PN 100 to PN 500
 - Actuator
 - Security block
 - Locking device
 - SW Extra-long
- For further special requests please consult our technical/commercial service