

BALL VALVES FOR GAS TURBINES

**Reliable combination:
Ball Valve & Actuator**

Gas Turbines:

Siemens

SGT5-4000F (V94.3A)

SGT5-2000E (V94.2)

Ansaldo AE94.3A, AE94.2



OVERVIEW

TURBINE TYPE

SGT5-4000F (V94.3A) / AE94.3A

DN	PN	SERVICE	HARTMANN ARTICLE NO.	CONSISTING OUT OF	VALVE MATERIAL	CONN.	ACTUATOR	PAGE
25	160	Fuel Oil Drain	40005338	valve with actuator	Stainless Steel	G1¼"	TA 130 FM	4
			40001245	valve w/o adaption				
			40001208	valve with adaption				
			10027695-001	actuator with controls				
25	160	Fuel Oil Drain	40001977	valve with actuator	Stainless Steel	G1¼"	TA 130 HA	4
			40001245	valve w/o adaption				
			40001208	valve with adaption				
			10054223-001	actuator with controls				
25	160	Fuel Oil Drain	40005339	valve with actuator	Stainless Steel	G1¼"	B1JU10/40HFL	4
			40005353	valve w/o adaption				
			10057530-001	actuator with controls				
25	160	Fuel Oil Drain	40000399	valve with actuator	Stainless Steel	G1¼"	TA 120/2 FM	4
			40001245	valve w/o adaption				
			40001208	valve w/o adaption				
			10028238-001	actuator with controls				
50	160	Fuel Oil Drain	40000166	valve with actuator	Stainless Steel	R13	ET-SO300-5 - 1x SOV	5
			40000606	valve w/o adaption				
			10024676-001	actuator with controls				
50	160	Fuel Oil Drain	40005260	valve with actuator	Stainless Steel	R13	ET-SO300-5 - 2x SOV	5
			40000606	valve w/o adaption				
			10079138-001	actuator with controls				
50	160	Fuel Oil Drain	40005336	valve with actuator	Carbon Steel	E	ET-SO600-6	5
			40005354	valve w/o adaption				
			10027655-001	actuator with controls				
25	40	Purge Air	40001190	valve with actuator	Stainless Steel	B2	ET-SO00150-6 U	6
50	40	Purge Air	40000098	valve with actuator	Stainless Steel	B2	ET-SC00600-6 U	7
100	40	Purge Air	40001182	valve with actuator	Stainless Steel	B2	ET-SC00900-6 U	8
100	40	Purge Air	40001189	valve with actuator	Stainless Steel	B2	ET-SC00900-6 U with positioner	8
250	100	Fuel Gas	40001946	valve with gearbox	Stainless Steel	RF		9

Further ball valves for turbines on request.

TURBINE TYPE

SGT5-2000E (V94.2) / AE94.2

DN	PN	SERVICE	HARTMANN ARTICLE NO.	CONSISTING OUT OF	VALVE MATERIAL	CONN.	ACTUATOR	PAGE
40	100	Fuel Oil Transfer	40000103	valve with actuator	Stainless Steel	R13	ET25-2-220-04	10
			40001426	valve w/o adaption				
			40002102					
			40002103					
			40005351					
			10027624-00	actuator with controls				
40	40	Pilot Gas Stop	40004311	valve with actuator	Stainless Steel	B2	ET25-2-220-04	11
			40005355	valve w/o adaption				
			10068980-002	actuator with controls				
100	40	Fuel Gas Stop	40004310	valve with actuator	Stainless Steel	B2	ET25-2-220-04	12
			40005356	valve w/o adaption				
			10068980-002	actuator with controls				
100	16	Fuel Oil	40005337	valve with actuator	Stainless Steel	E	ET-SC00600-6	13
			40005357	valve w/o adaption				
			10023817-001	actuator with controls				
		Electrical Actuator for SGT5-2000E	10068980-002	actuator with controls			ET25-2-220-04	

Ask for detailed product range

Further ball valves for turbines on request.

BALL VALVE DN 25 PN 160

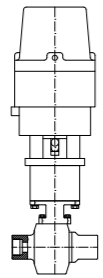


Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Fuel Oil Drain
 Function: Shut-Off Valve
 Features: Metal-seated, PTFE coating
 Type: ASFS
 End Connection: ISO G 1¼"
 Length (mm): 216

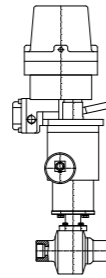
Media (Temperature): Fuel Oil (+55°C),
 Natural Gas (+315°C, max. 10 s)

Material Body: Stainless Steel
 Material Internals: Stainless Steel



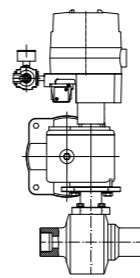
Actuator TA 130 HA electric

Hartmann Article No.: 40005338



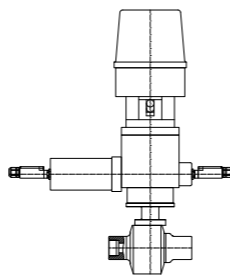
Actuator TA 130 FM electric

Hartmann Article No.: 40001977



Actuator B1JU10/40HFL electric

Hartmann Article No.: 40005339



Actuator TA 120/2 FM electric

Hartmann Article No.: 40000399

BALL VALVE DN 50 PN 160

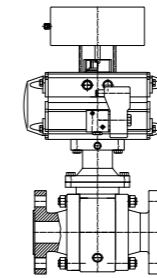


Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Fuel Oil Drain
 Function: Shut-Off Valve
 Features: PTFE coating
 Type: AST
 End Connection: DIN EN 1092-1 F;
 DIN EN 1092-1 B2
 Length (mm): 300

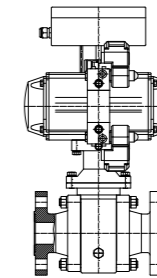
Media (Temperature): Fuel Oil (+55°C, +100°C),
 Water (+100°C), Air (+200°C)

Material Body: Stainless Steel, Carbon Steel
 Material Internals: Stainless Steel



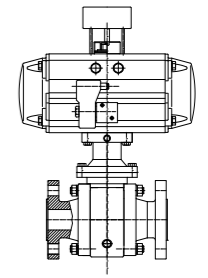
Actuator ET-SO300-5 pneumatic 1x SOV

Hartmann Article No.: 40000166



Actuator ET-SO300-5 pneumatic 2x SOV

Hartmann Article No.: 40005260



Actuator ET-SO600-6 pneumatic

Hartmann Article No.: 40005336

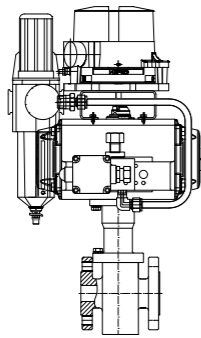
BALL VALVE DN 25 PN 40



Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Purge Air
Function: Shut-Off Valve
Type: ASF
End Connection: DIN EN 1092-1 B2
Length (mm): 125

Media (Temperature): Air (+220°C)
Material Body: Stainless Steel
Material Internals: Stainless Steel



Actuator ET-S000150-6 U pneumatic

Hartmann Article No.: 40001190

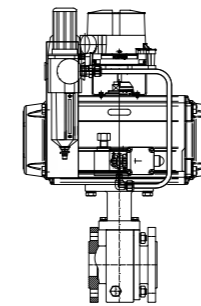
BALL VALVE DN 50 PN 40



Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Purge Air
Function: Shut-Off Valve
Type: ASF
End Connection: DIN EN 1092-1 B2
Length (mm): 150

Media (Temperature): Air (+220°C)
Material Body: Stainless Steel
Material Internals: Stainless Steel



Actuator ET-SC00600-6 U pneumatic

Hartmann Article No.: 40000098

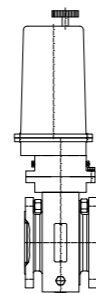
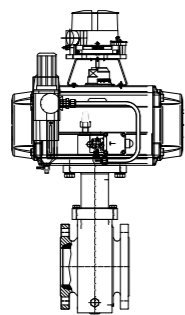
BALL VALVE DN 100 PN 40



Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Purge Air
 Function: Shut-Off Valve
 Type: AST
 End Connection: DIN EN 1092-1 B2
 Length (mm): 190

Media (Temperature): Air (+220°C)
 Material Body: Stainless Steel
 Material Internals: Stainless Steel



Actuator ET-SC00900-6 U X
 pneumatic

Actuator ET-SC00900-6 U
 pneumatic + pos.

Hartmann Article No.: 40001182

Hartmann Article No.: 40001189

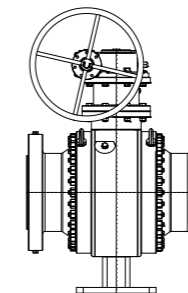
BALL VALVE DN 250 PN 100



Gas Turbine: SGT5-4000F (V94.3A) / AE94.3A

Service: Fuel Gas
 Function: Shut-Off Valve
 Features: Metal-seated
 Type: AST
 End Connection: RF
 Length (mm): 787

Media (Temperature): Fuel Gas (+250°C)
 Material Body: Stainless Steel
 Material Internals: Stainless Steel



Actuator Gearbox + Handwheel

Hartmann Article No.: 40001946

BALL VALVE DN 40 PN 100

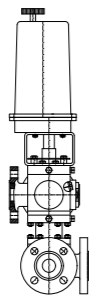


Gas Turbine: SGT5-2000E (V94.2) / AE94.2

Service: Fuel Oil Transfer
Function: Elbow Valve + Three-Way-Valve
Type: KUT
End Connection: DIN EN 1092-1 B2
Length (mm): 240

Media (Temperature): Fuel Oil, light (LFO) (+55°C),
Fuel Oil, heavy (RFO) (+140°C),
Air (+160°C)

Material Body: Stainless Steel
Material Internals: Stainless Steel



Actuator ET25-2-220-04 electric

Hartmann Article No.: 40000103

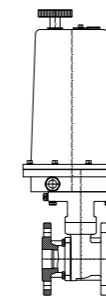
BALL VALVE DN 40 PN 40



Gas Turbine: SGT5-2000E (V94.2) / AE94.2

Service: Pilot Gas Stop
Function: Shut-Off Valve
Type: ASF
End Connection: DIN EN 1092-1 B2
Length (mm): 140

Media (Temperature): Natural Gas (+200°C)
Material Body: Stainless Steel
Material Internals: Stainless Steel



Actuator ET25-2-220-04 electric

Hartmann Article No.: 40004311

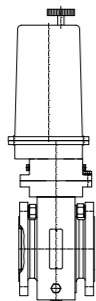
BALL VALVE DN 100 PN 40



Gas Turbine: SGT5-2000E (V94.2) / AE94.2

Service: Fuel Gas Stop
Function: Shut-Off Valve
Type: ASTG
End Connection: DIN EN 1092-1 B2
Length (mm): 190

Media (Temperature): Natural Gas (+200°C)
Material Body: Stainless Steel
Material Internals: Stainless Steel



Actuator ET25-2-220-04 electric

Hartmann Article No.: 40004310

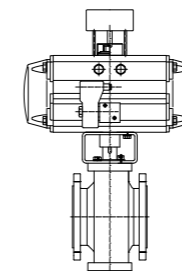
BALL VALVE DN 100 PN 16



Gas Turbine: SGT5-2000E (V94.2) / AE94.2

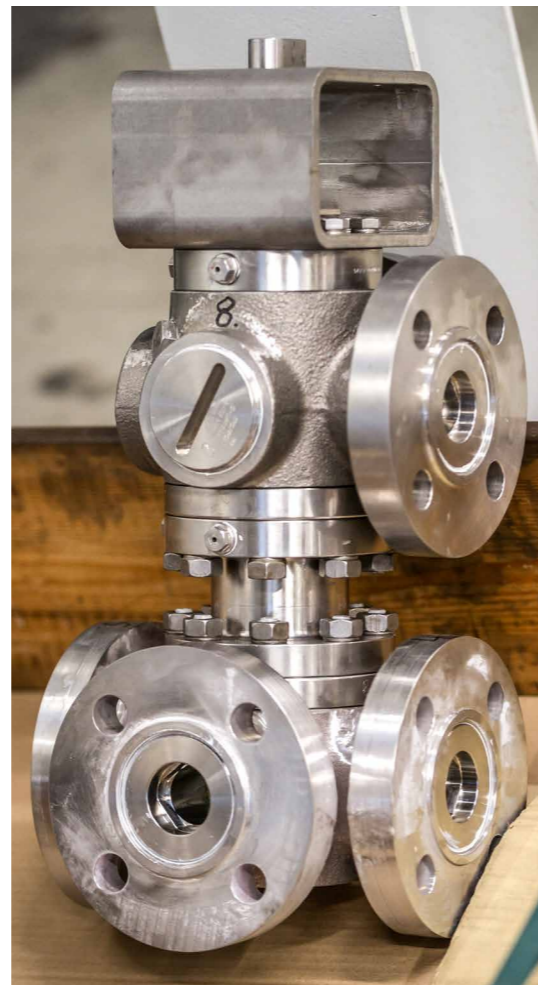
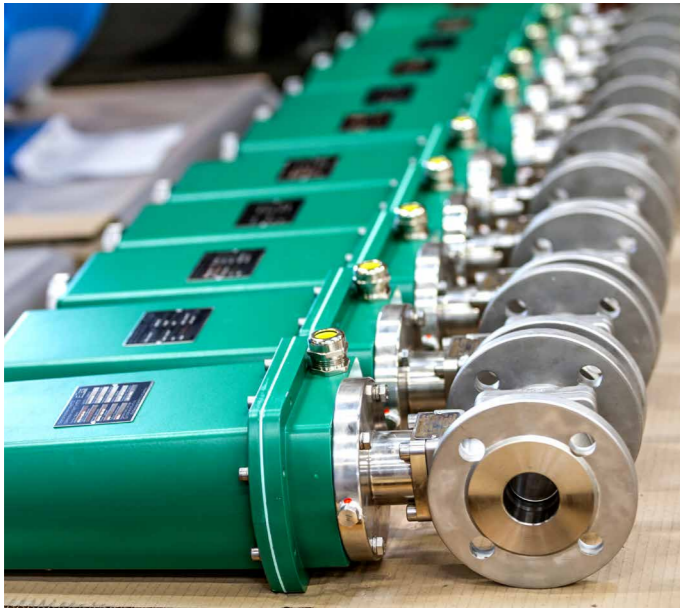
Service: Fuel Oil
Function: Shut-Off Valve
Type: ASTG
End Connection: DIN EN 1092-1 B2
Length (mm): 190

Media (Temperature): Fuel Oil (+55°C)
Material Body: Carbon Steel
Material Internals: Stainless Steel



Actuator ET-SC00600-6 pneumatic

Hartmann Article No.: 40005337



QUALITY MADE IN GERMANY

Safe. Reliable. Long-lasting.



INDIVIDUAL DESIGN

Our sales and design engineers eagerly await your enquiries from the high performance sector. In close collaboration we develop suitable components for your special applications.



SOLUTIONS FOR EXTREME AREAS

Hartmann ball valves and wellheads are designed for pressure classes up to 690 bar, temperatures from -200 to +550°C as well as for high cycle operations and media of all types.



QUALITY THAT PAYS

Durable and low maintenance products reduce the life cycle costs of your plants. This is why we develop, assemble and test exclusively in Germany.



EXPERTISE & CONSULTATION FROM A SINGLE SOURCE

You profit from more than 70 years experience during all project phases. We provide you with support, from consulting, development right through to installation and maintenance service.

HARTMANN VALVES & WELLHEADS

The family-owned Hartmann Valves GmbH is one of the leading manufacturers of special ball valves, scraper valves and wellheads. Our high performance components are installed all over the world - in the crude oil, natural gas, (petro)chemical industry as well as in power plant technology, geothermal and other renewables such as power to gas.

All products are designed to individual requirements and equipped with our metal-to-metal sealing system. Design, assembly and tests are carried out solely in our factories in Celle and Burgdorf-Ehlershausen. Hartmann is now run by the third family generation and have developed into an international system supplier that today employs over 160 people.



A GLIMPSE INTO OUR PRODUCTION

www.hartmann-valves.com/en/film

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