



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
	BACTON	OIL / GAS	SHELL	U.K	Ball valves, full & reduced bore LTCS / DUPLEX Floating #150 DN 3/4"- 6"	2011	FB - PQR-i
TECHNIP	PHPB MACEDON	OIL / GAS	BHP	AUSTRALIA	Ball valves, full & reduced bore Soft & Metal seated CS+INCONEL OVERLAY / LTCS / SS / DUPLEX Floating & Trunnion #150, #300, #600, #1500 DN 1/2"- 4"	2012	FB - PQR-i - AP-APT
KBR	BIG FOOT	OIL / GAS	CHEVRON	U.S.A	Ball valves, full & reduced bore Soft & Metal seated CS / LTCS / SS / SUPERDUPLEX Floating & Trunnion #150, #300, #600 DN 2"- 4"	2012	FB - PQR-i - AP-APT
CBI	PNG PRODUCTION EPC4	OIL / GAS	EXXONMOBILE	PAPUA NEW GUINEA	Ball valves, full & bore CS / SS / DUPLEX Floating #150, #300, DN 2"- 8"	2012	FB
SAMSUNG	JACK & ST. MALO AUTOMATED	OIL / GAS	CHEVRON	U.S.A	Ball valves, full bore CS / SS Floating #150, DN 1"- 4" Automated (pneumatic & hydraulic)	2012	FB
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2012	FB
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2012	FB
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2012	FB
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2012	FB
ADMA-ADCO	ADMA ADCO STOCK	OIL / GAS	ADMA-ADCO	UAE	Ball valves, FULL INCONEL TRUNNION MOUNTED, DN2" - #2500 Manual	2011	APT
ADMA-ADCO	ADMA ADCO STOCK	OIL / GAS	ADMA-ADCO	UAE	Ball valves, Full CS+INCONEL CLADING TRUNNION MOUNTED, DN6" - #600	2011	TSB
INITEC - TR	MARGARITA - PLANTA CPT	OIL / GAS	REPSOL	BOLIVIA	Ball valves, Full and Reduced bore CS & SS SOFT SEATED, FLOATING & TRUNNION MOUNTED, DN1" up to DN 18" #150 - #300 - #600 - #1500	2011	FB-PQR-i - AP-Q3-TSB
WORLEY PARSON	YOLLA MLE PROJECT	HYDROCARBON	WORLEY PARSONS	AUSTRALIA	Manual and electric actuated ball valves in LTCS IN LTCS & DSS UP TO 10" 900#	2011	APT, TSB
PSN	NORTH GAS TRANSFER TERMINAL PROJECT SHAKALIN PHASE II	HYDROCARBON	SHAKALIN ENERGY	RUSSIA	Manual and electric actuated ball valves in LTCS up to DN 20" 600#	2011	APT, TSB
PSN	SEA WATER INJECTION SYSTEM RU - 6184	SEA WATER	SHAKALIN ENERGY	RUSSIA	Manual ball valves Superduplex up to 10" x 8" 2500#	2011	APT, TSB
EMERSON DUBAI	-	OIL / GAS	BP IRAQ	IRAQ	Pneumatic actuated ball valves Cs up to 18" 900#	2011	TSB
TECHNIP DUBAI	WASTE WATER DISPOSAL PROJECT	WATER	QATAR GAS	QATAR	Manual ball valves CS & SS up to DN 10" x 8" 900#	2011	APT, TSB
NPCC ABU DHABI	ADCO BAB THAMAMA PROJECT	SOUR HYDROCARBON	ADCO	UAE	Manual ball valves CS & SS up to DN 20" 150#	2011	FB, APT, TSB
NPCC INDIA	ADCO QUSHAWIRA PROJECT	SOUR HYDROCARBON	ADCO	UAE	Manual ball valves CS & SS up to DN 24" x 22" 300#	2011	FB, APT, TSB
SAMSUNG	JACK & ST. MALO	OIL / GAS	CHEVRON	U.S.A	Ball valves, full & reduced bore CS / SS / SUPERDUPLEX Floating #150, #300 DN 1/2"- 4"	2011	FB - PQR-i
	10000 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2011	FB,WR,LD
	6500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2011	FB,WR,LD
	6500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2011	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2011	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2011	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2011	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2011	FB,WR,LD
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2011	FB
	12000 m3 Semi Ref LEG Carrier	LEG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2011	FB
FLUOR TRANSWORLD SERV.	CHAYVO OPF EXPANSION	GAS	EXXON MOBIL	USA	Ball valves, full & reduced bore LTCS and SS Floating #150, #300, #600, #1500, #2500 DN 1"- 1 1/2" Cryogenic service -196°C	2010	FB - PQR-i - AP



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
NPCC	ADCO QUSAHWIRA FULL FIELD DEVELOPMENT 1.8 MMBOPD PROJECT	OIL / GAS	ADCO	ABU DHABI	Ball valves, full/Reduced bore LF2 / DUPLEX / WCC / CF8M/ Claded valves INC 625 Floating & Trunnion mounted #150-#300-#600-#900-#1500 DN 2" up to DN 24" Manual	2010	PQR-i / APT / TSB
MAN SOLAR MILLENIUM DURO FELGUERA ENEGIA	ANDASOL TRES	OILTHERMAL	CENTRAL TERMOSOLAR ANDASOL TRES	SPAIN	Ball valves, full CS METAL SEATED (450°C), TRUNNION #300/#600 DN 3" & DN 6"	2010	APT / TSB
KBR / ENTREPOSE	LNG TRAIN SIKKIDA PROJECT	GAS	SONATRACH	ALGERIA	Ball valves, full & reduced bore CS / SS / SUPERDUPLEX Floating #150, #300 DN 1/2"- 8" and Criogenic service	2010	FB - PQR-i
NPCC	BAB THAMAMA G & HABSHAN 2	OIL / GAS	ADCO	ABU DHABI	Ball valves, full/Reduced bore LF2 / DUPLEX / WCC / A105 Floating & Trunnion mounted #150-#300-#600 DN 3/4" up to DN 20" Manual	2010	FB - APT - TSB
WORLEY PARSON	YOLLA MLE PROJECT	OIL / GAS	ORIGIN ENERGY LTD.	AUSTRALIA	Ball valves, full/Reduced bore LF2 / F51 / CF8M Floating & Trunnion mounted #150-#300-#900-#1500 DN 1" up to DN 10" Manual	2010	FB - AP - APT - TSB
PSN	Gas Tranfer Terminal Shakalin II Phase 2	GAS	SAKHALIN ENERGY INVESTMENT Co.	RUSSIA	Ball valves, Reduced bore LF2 SOFT SEATED, TRUNNION MOUNTED, DN 2" up to DN 20" #150 - #600, ACTUATED	2010	APT / TSB
Qidong Dajiang Shipbuilding Co. Ltd	Tiger 5000	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -50°C	2010	FB,WR,LD
WORLEY PARSON	ARKUTUN DAGI	GAS	EXXONNEFTEGAS LTD.	USA	Ball valves, full bore LTCS and SS, floating #150 - #300 DN 1" up to DN 6"	2010	FB
TECNICAS REUNIDAS / KBR / JGC	EGYPT LNG PROJECT	LNG	SEGAS S.A.E.	EGYPT	Top Entry Ball valves, Reduced bore CF8M SOFT SEATED, TRUNNION MOUNTED, Cryogenic service -196°C DN 3/4" up to DN 4" #600	2010	TEV
TRACTEBEL GAS ENGINEERING	12000 m3 LPG/Ammonia-VCM Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD
TRACTEBEL GAS ENGINEERING	3500 m3 Fully Presurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD
TRACTEBEL GAS ENGINEERING	6500 m3 LEG/LPG/VCM/Ammonia Carrier	LPG		HOLLAND	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD
TECHNIP	QATARGAS WASTE WATER PROJECT	GAS/OIL/WATER	QATARGAS	QATAR	Ball valves, Reduced bore SS / CS Claded valves SS 316 Trunnion mounted #900-#1500 DN 1" up to DN 10" Manual	2010	APT / TSB
GAS & HEAT	2x300 m3 Deck Tank	LPG		TURKEY	Ball and butterfly valves from 1/2" to 6" in stainless and carbon steel classes 150 and 300	2010	FB,WR,LD
FLUOR	IPS II Expansion	CHEMICAL	BASF YPC	CHINA	Full bore ball valves #150-#300 SS and CS 1/2" to 4"	2010	FB
	Válvulas de corte de emergencia G-C1A/B	OIL / GAS	CEPSA	SPAIN	Ball valves, full bore CS Floating & Trunnion mounted #300-#900#1500 DN 1 1/2" up to DN 2" Ecelctric Actuator	2010	FB - AP - APT
KBR	LNG TRAIN SIKKIDA PROJECT	GAS	SONATRACH	ALGERIA	Ball valves, reduced & full bore CS and SS, floating #150 - #300 DN 1/2" up to DN 8" Cryogenic service -196°C	2010	FB - PQR-i
FERROSTAAL	NC-115	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full bore CS and CS FBE Trunnion mounted #900 DN 12" Manual	2010	TSB
FERROSTAAL	NC-115	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full bore CS Floating & Trunnion mounted #300-#800-#900#1500 DN 1/2" up to DN 6" Manual	2010	FB-APT-SR8-TSB
LGE JAPAN	HIGAKI	OIL / GAS	IZUMI	JAPAN	Ball valves, Full & Reduced bore CF8M -110°C SOFT SEATED, FLOATING DN 1" up 6" #150 - #300 Hydraulic actuators	2010	FB - PQR-i
GULF CONSOLIDATED CONTRACTORS	INCREASE RTDB-1 PIPELINE INCREASE	OIL / GAS	ARAMCO	SAUDI ARABIA	Ball valves, full bore CS CLADED trunnion mounted #900 DN 16" PNEUMATIC ACTUATED	2010	TSB
SAKHALIN ENERGY INVESTMENT Co.	SAKHALIN II Phase II	GAS	SAKHALIN ENERGY INVESTMENT Co.	RUSSIA	Ball valves, Reduced bore CF8M -110°C SOFT SEATED, FLOATING & TRUNNION MOUNTED, DN 2" #150 - #1500	2010	PQR-i / APT
	8500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD
	8500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD
	10000 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2010	FB,WR,LD



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2010	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2010	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2010	FB,WR,LD
G.N.C.E./B.C.E./T.E.P.	KERMANSHAH POLYMER COMPANY	GAS/OIL/WATER	KERMANSHAH POLYMER CO. / IRAN NATIONAL PETROCHEMICAL CO.	IRAN	Ball valves, full bore CS SOFT SEATED, TRUNNION MOUNTED, DN 8" & DN 24" #300 Automatic	2009	TSB
SBM	FPSO CAPIXABA RELOCATION	OIL / GAS	PETROBRAS	USA	Ball valves, full bore CS/SS/DUPLEX, FB Floating #150, #300 DN 3/4" - 6", TSB, APT Trunnion #150, #1500 DN 2" up to DN 8"	2009	FB, APT, TSB
SRT / JACOBS	SCHOONEBEEK OILFIELD REDEVELOPMENT	OIL / GAS	NAM	HOLLAND	Ball valves / full and reduced bore / CS, LTCS, SS and DUPLEX / DN 1/2" to 8" / #150 and #600 / manual and actuated valves	2009	FB - PQR-i - AP
NUON	CO2 CAPTURE & STORAGE PILOT PLANT	GAS	NUON	HOLLAND	Ball valves, full bore CS/SS floating PN16 DN 1/2" up to DN 4" Manual, trunnion PN63 DN 3" up to DN 6"	2009	FB - AP - APT - TSB
GAS NATURAL SDG	ANUAL CONTRACT	GAS	GAS NATURAL SDG	SPAIN	Ball valves, full bore CS SOFT SEATED, FULLY WELDED, TRUNNION MOUNTED, STEM EXTENSION DN 20" #150/ DN 8" up to DN 12" #300	2009	TSB
COBRA / INITEC	MANCHASOL UNO / MANCHASOL DOS	OILTHERMAL	CENTRAL TERMOSOLAR MANCHASOL UNO / MANCHASOL DOS	SPAIN	Ball valves, full CS METAL SEATED (450°C), TRUNNION #300/#600 DN 3" & DN 6"	2009	APT / TSB
METAL SERVICES	YAMBU -RCP	OIL / GAS	ARAMCO	SAUDI ARABIA	Ball valves, full bore CS trunnion mounted #300 DN 8" up to DN 14" Manual.	2009	TSB
LENNIHMASH		GAS	GUBKINSKIY GPK	RUSSIA	Ball and butterfly valves, LCC and SS from 1/2" to 20" #150 to #600 Manual	2009	WR -FB -AP
DS ENGEENIERING	SURGUTNEFTEGAZ	OIL / GAS	SURGUTNEFTEGAZ	RUSSIA	Ball valves, full bore SS Floating PN16 - PN40 DN 25 up to DN 150 Manual	2009	FB
TECHNIP CIS	DOW IZOLAN	CHEMICAL	DOW IZOLAN	RUSSIA	Ball valves, full bore CS and SS Floating PN 16 - 40 DN 25 up to DN 100 Actuated.	2009	FB
J & P	EL SHARARA FIELD NC-115 / NC-186	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full and reduced bore CS and SS Floating & Trunnion mounted #150, #300, #800, #600, #900, #1500 DN 3/4" up to DN 6" Manual & Automatic	2009	FB - APT - Q3 - TSB
WEIR LGE	Ammonia Gas Liquefaction & Storage Facility	GAS	ENGRO CHEMICALS PAKISTAN Ltd	PAKISTAN	Ball valves, full and reduced bore LCC Floating #150, #300, DN 2" up to DN 6" Manual	2009	FB - PQR-i
CB&I	LNG PLANT	LNG	PERU LNG S.R.L.	PERU	Ball valves, full and reduced bore CS and SS Floating & Trunnion mounted #150, #300, #600, #1500 DN 1/2" up to DN 8" Manual	2009	FB - AP - PQR-i - TSB
J & P	EL SHARARA FIELD NC-115 / NC-186 OIL MANIFOLDS	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full and reduced bore CS and SS Floating & Trunnion mounted #150, #300, #800, #600, #900, #1500 DN 3/4" up to DN 6" Manual & Automatic	2009	FB - APT - Q3 - TSB
J. RAY McDERMOTT	PEREGRINO FPSO		MAERSK OIL	BRASIL	Ball valves, full and reduced bore CS, Duplex and SuperDuplex, Soft and Metal Seated, Trunnion mounted #150, #300, #600, #900 DN 2" up to DN 36" Pneumatic Actuators Biffi & Actuated	2009	FB - APT - TSB
	8500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2009	FB,WR,LD
	4750 m3 Semiref LEG Carrier	LEG		JAPAN	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2009	FB,WR,LD
	6500 m3 Semiref LEG Carrier	LEG		JAPAN	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2009	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2009	FB,WR,LD
	5000 m3 Fully Pressurized LPG Carrier	LPG		Lindenau	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200	2009	FB,WR,LD
TRACTEBEL GAS ENGINEERING	9000 m3 LPG-Ammonia-VCM carrier(2297 A,B,C)	LPG		SOUTH KOREA	Ball valves #150, #300 pressure class from DN1/2" until DN6"	2008	FB
TRACTEBEL GAS ENGINEERING	6500 m3 LPG-Ammonia-VCM carrier(2260 A,B)	LPG		SOUTH KOREA	Ball valves #150, #300 pressure class from DN1/2" until DN6"	2008	FB
TRACTEBEL GAS ENGINEERING	9000 m3 LPG-Ammonia-VCM carrier(2035 A,B,C,D)	LPG		SOUTH KOREA	Ball valves #150, #300 pressure class from DN1/2" until DN6"	2008	FB



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
J & P	NC-115 M FIELD	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full and reduced bore CS and SS Floating & Trunnion mounted #150, #300, #800, #600 DN 3/4" up to DN 12" Manual & Automatic	2008	FB - APT - Q3 - TSB
J & P	NC-115 GOSP A - H	GAS/OIL/WATER	AKAKUS OIL OPERATIONS	LIBYA	Ball valves, full and reduced bore CS and SS Floating & Trunnion mounted #150, #300, #800, #600 DN 3/4" up to DN 12"	2008	FB - APT - Q3 - TSB
J. RAY McDERMOTT	PEREGRINO FPSO	FIRE SAFE	MAERSK OIL	BRASIL	H.P.butterLy valves from 4" to 24" in duplex and superduplex classes 150 and 300	2008	WR
GAS & HEAT	4x4500 M3 Ethylene Carriers	ETH CARRIERS	GAS & HEAT	ITALY	Ball and butterLy valves from 1/2" to 8" in stainless -110°C and carbon steel classes 150 and 300	2008	FB,WR,LD
GAS & HEAT	2x9000 M3 Ethylene Carriers	ETH CARRIERS	GAS & HEAT	ITALY	Ball and butterLy valves from 1/2" to 8" in stainless -110°C and carbon steel classes 150 and 300	2008	FB,WR,LD
GAS & HEAT	4x3.300 M3 LPG Carriers	LPG CARRIERS	GAS & HEAT	ITALY	Ball and butterLy valves from 1/2" to 10" in stainless and carbon steel classes 150 and 300	2008	FB,WR,LD
FLUOR	SAUDI KAYAN COMPLEX	OIL / GAS	SABIC	SAUDI ARABIA	Ball valves, full CS/SS Floating & Trunnion #150/#300 DN 2" - DN8" H.P.Butterfly valves , CS/SS #150/#300 DN 10" - DN 24"	2008	FB/TSB/WR/LD
TRACTEBEL GAS ENGINEERING	16500 m3 LPG-Ammonia-VCM carrier(2174 A,B,C)	LPG		CHINA	Ball valves DIN PN25-PN40 pressure class from DN15 until DN200 Stainless steel	2008	FB,WR,LD
TRACTEBEL GAS ENGINEERING	17000 m3 LPG-Ammonia-VCM carrier(1936 E,F,G,H)	LPG		GERMANY	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2008	FB,WR,LD
TRACTEBEL GAS ENGINEERING	9000 m3 LPG-Ammonia-VCM carrier(2016 D,E)	LPG		SOUTH KOREA	Ball and butterfly valves ANSI 150 -300 pressure class from DN1/2" until DN8" suitable for -110°C	2008	FB,WR,LD
CHICAGO BRIDGES INT	SASREF USLD PROJECT	OIL / GAS	SAUDI SHELL REF.	SAUDI ARABIA	Ball valves, full CS/LTCS Floating #150/#300 DN 1/2" - DN4" Fugitive emission Class A	2008	FB
COBRA / SENER	EXTRESOL UNO / EXTRESOL DOS	OILTHERMAL	CENTRAL TERMO-SOLAR EXTRESOL UNO / EXTRESOL DOS	SPAIN	Ball valves, full CS METAL SEATED (450°C), TRUNNION #300/#600 DN 3" & DN 6"	2008	APT / TSB
AKAKUS OIL OPERATIONS	NC-115 "B & H" FIELD SOUTH FACILITY	OIL / GAS	AKAKUS OIL OPERATIONS	LIBYA	Ball valves Reduced bore 900# 6" WCC	2008	APT
FOSTER WHEELER	SHELL BUKOM REFINERY	HYDROWAX	SHELL	SINGAPORE	FB & TSB up to 16" in CS	2008	FB, TSB
NORSI	HC STORAGE PARK	HC-LIQUIDS	LUKOIL	RUSSIA	Floating ball valves up to 6" in CS, butterfly valves up to 14" in SS	2008	FB, WR
	WOODSIDE Supply agreement (SBBVSA/CA359/SC4679)	GAS	WOODSIDE ENERGY LTD.	AUSTRALIA	FB & APT CS & DSS up to 3", 150# to 1500#	2008	FB & APT
LGE JAPAN	07-9014R-1 SHITANOE NO.1282-3,000 cbm LEGC	GAS	IZUMI	JAPAN	FB & PQR-I Cryo -104°C 150# up to 6"	2008	FB & PQRI
PSM	FAREGH FIELD DEVELOPMENT PHASE II	OIL / GAS	WAHA OIL COMPANY	LIBYA	Floating & Trunnion ball valves, manual/gear & pneumatic operated, full & reduced bore 1" to 16", #150, #300, #600, 2500 WCC / LCC / SS	2008	FB, PQR-i, SR8,AP, APT, TSB
STIMUL	Orenburggazprom, oil/gas treatment	OIL / GAS	GAZPROM	RUSSIA	Floating ball valves, manual/gear & pneumatic operated, full bore, 2" and 4", #150, #300, #600, WCC Trunnion ball valves, manual/gear & pneumatic operated, full bore, 4" to 12", #150, #300, #600, #900, in WCC & LCC Trunnion ball valves for underground application, gear & pneumatic operated, 6" to 12", #600, in WCC & LCC	2008	FB, AP, APT, TSB
	USOLIE-SIBIR SILICON	ORGANIC SILICE	SIBIR SILICON	RUSSIA	Floating ball valves, manual/gear operated, full bore 2" to 8", PN16 and PN40, SS Floating ball valves, pneumatic actuated, full bore 1" to 8", PN 16 and PN40, SS	2008	FB
STIMUL	Orenburggazprom, pipelines	OIL / GAS	GAZPROM	RUSSIA	Ball valve bare stem, DN300, #600 trunnion in LCC, NACE for underground application with 2500 mm stem extension Ball valves gear operated, floating DN 100, #600 in LCC, NACE Ball valves gear operated, trunnion DN150 to DN200, #300 and #600 in LCC	2008	TSB, AP



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
CB&I / FLUOR	ONSHORE EXPANSION PROJECT	GAS	RAS LAFFAN (RAS GAS)	QATAR	Floating ball valves, manual/gear operated, full & reduced bore, DN 1" up to 8", #150, #300, CS / SS, Trunnion ball valves, manual/gear operated, reduced bore, 10" to 20", #150 in CS	2008	FB, PQR-i, AP, TSB
NPCC / MERPRO	AI SHAHEEN FIELD DEVELOPMENT (GA WELLHEAD MODULE, ED, GE, and GB PLATFORMS)	GAS / GAS HIGH TEMP / PROCESS WITH SAND	MAERSK OIL QATAR SA	QATAR	Ball valves manual and pneumatic operated from 1/2" to 20", 150# to 300#, in LF2, 316, CK3MCuN	2008	FB, FBT, APT, TSB
NPCC	AI SHAHEEN FIELD DEVELOPMENT (GA WELLHEAD MODULE, ED, GE, and GB PLATFORMS)	GAS / GAS HIGH TEMP / PROCESS WITH SAND	MAERSK OIL QATAR SA	QATAR	Ball valves manual operated less than 2", 150# to 1500#, in LF2, 316, CK3MCuN	2008	FB, AP
NORGAS	3 x MULTIGAS / 3 x ULTRAGAS CARRIERS	LPG Ammonia-VCM Carriers	NORGAS	NORWAY	Ball valves manual, full bore, Floating DIN 15" to 150, PN40, SS, SERVICE -110°C.	2008	FB
NORGAS	WINTERGAS CARRIERS	LPG Ammonia-VCM Carriers	NORGAS	NORWAY	Ball valves manual, full bore, Floating 1/2" to 6", PN40, SS, SERVICE -110°C.	2008	FB
KOGER	ALIAITA TANKS	OIL / GAS	ALIAITA TERMINAL	NORWAY	Butterfly valves 6", 12" and 12" PN16, SS.	2008	LD
MAPAG LINDE		NITROGEN & OXIGEN	LINDE	GERMANY	Butterfly valves 4" to 16" 150# in SS Cryogenic service -196°C	2008	LD
SBM	FPU "THUNDER HAWK"	OIL / GAS	MURPHY Co.	USA	Ball valves manual/gear operated, full and Reducedbore, Floating 2" to 6" and trunnion 2" to 14", 150# to 2500#, in CS. SS and Duplex	2008	FB, AP, APT, TSB
NPCC	AI SHAHEEN FIELD DEVELOPMENT (GA WELLHEAD MODULE, ED, GE, and GB PLATFORMS)	GAS / GAS HIGH TEMP / PROCESS WITH SAND	MAERSK OIL QATAR SA	QATAR	Ball valves manual/gear operated 2" to 18", 150# to 1500#, in LF2, F316, F44, F55	2008	FB, PQR-i, APT, TSB
HYUNDAI	GTL PEARL PROJECT QATAR	SOUR SERVICE (CLEAN AIR EMISSION)	SHELL	QATAR	Ball valves 3/4" to 10", 150# & 300# in WCC / CF8M	2008	PQR-i, FB, AP
FOSTER WHEELER	THAI PROJECT	SOUR SERVICE	THAI OIL OPERATIONS	THAILAND	Ball valves 1/2" to 14", 150# & 300#, in WCC & LCC	2008	FB, PQR-i, TSB
YOKOGAWA	LUKOIL-NIZNEVOLZSKNEFT (Korchagin Field Project).	GAS	LUKOIL	RUSSIA	Ball valves, Bare stem, Floating, RB, DN 2", #150, LCC Ball valves, Bare stem, Trunnion, RB from DN2" to DN12", LCC / 316 Ball valves, Bare stem, Trunnion, FB from DN 8" to DN 16", class from #600 to #1500, LCC	2008	PQR-i, APT, TSB
	6500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2008	FB,WR,LD
PETRECO	MARMUL POLYMER FLOODING PROJECT	INFLUENT WATER	PETROLEUM DEVELOPMENT OMAN	OMAN	Butterfly valves 6" to 14" 150# in WCC + ENP	2007	LD
REPSOL OIL OPERATIONS	NC-186 "B" FIELD WI MANIFOLDS	OIL / GAS	REPSOL OIL OPERATIONS	LIBYA	Ball valves SS 6" 900#	2007	TSB
GAS NATURAL SDG	ANUAL CONTRACT	GAS	GAS NATURAL SDG	SPAIN	Ball valves, full bore CS SOFT SEATED, FULLY WELDED, TRUNNION MOUNTED, STEM EXTENSION DN 20" #150/ DN 8" up to DN 12" #300	2007	TSB
REPSOL OIL OPERATIONS	NC-186 "B & H" FIELD SOUTH FACILITY	OIL / GAS	REPSOL OIL OPERATIONS	LIBYA	Ball valves Reduced bore 900# 6" WCC	2007	APT
ABB	SHELL ECC PROJECT	ETHILENE	SHELL	SINGAPORE	Ball valves, full bore CS METAL SEATED, Floating & Trunnion #150, DN 1/2" up to DN 8"	2007	FB/APT/TSB
LUKOIL	VOLGOGRAD	REFINERY	LUKOIL	RUSSIA	Ball and butterfly valves DN 2" to 8", full bore, PN16 and 40, actuated.	2007	FB, WR
TRACTEBEL GAS ENGINEERING	7500 m3 LNG-Ethilene-LPG carrier(2021)	LPG		HOLLAND	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2007	FB,WR,LD
TRACTEBEL GAS ENGINEERING	8000 m3 LPG-Ammonia-VCM carrier(1860 G,H,K)	LPG		SOUTH KOREA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2007	FB,WR,LD
TRACTEBEL GAS ENGINEERING	22000 m3 LPG-Ammonia-VCM carrier(2018 A,B)	LPG		CHINA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2007	FB,WR,LD



# General Reference list

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CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
COBRA / SENER / FLAGSOI	ANDASOL UNO / ANDASOL DOS	OILTHERMAL	CENTRAL TERMOLOSAR ANDASOL UNO / ANDASOL DOS	SPAIN	Ball valves, full CS METAL SEATED (450°C), TRUNNION #300/#600 DN 3" & DN 6"	2007	APT / TSB
ENGINEERS INDIA LTD	VASAI EAST DEVELOPMENT PROJ.	GAS	ONGC	INDIA	Ball valves, full & Reduced bore CS/SS/DUPLEX, Floating #150, #300, #900, #1500 DN 1/2" up to DN 6"	2007	SR8/FS/PQR-i /APT
CHICAGO BRIDGES INT	SHELL LNG	GAS	SHELL	U.K.	Ball valves, full and reduced bore 150# & 300# DN 1/2" up to Dn 8" , CS and SS Cryogenic Service -196°C	2007	FB / PQR-i
SUMBELT	DOW BRASIL MONEL	CHEMICAL	DOW CHEMICAL	BRASIL	Ball valves, Reduced bore MONEL, Floating #150, -110°C DN 3/4" up to DN 8"	2007	PQR-i
SLAVNEFT-YNOS	YAROSLAVL	REFINERY	GAZPROM	RUSSIA	Ball valves in LTCS DN 2" to 4", full bore, PN 40, actuated.	2007	FB
ABB	GEA FACILITIES UPGRADE	OIL / GAS	SONAHESS	ALGERIA	Ball valves, full & reduced bore CS trunnion & floating #150, #300, #600 DN 1/2" up to 24"	2007	FB / FBT / APT / TSB
CHICAGO BRIDGES INT	KHURAIS 3TH NGL TRAIN PROJECT	GAS	GASCO	ARAB EMIRATES	Ball valves, full bore CS Trunnion #150 DN 12"	2007	TSB
HYUNDAI	PEARL GTL LPU WORKS	GAS	QATAR SHELL GTL LIMITED	QATAR	Ball valves, Spring loaded operated, RB, 1 1/2", 2", #150, #600, WCC, CF8C	2007	PQR-i, AP
SBM	FRADE FPSO	OIL / GAS	CHEVRON	BRASIL	Ball valves, full & Reduced bore CS/SS/DUPLEX, Floating #150, #300, #900, #1500 DN 1/2" up to DN 6"	2007	FB / AP
TOYO	Bisphenol-A Plant	PETROCHEMICAL	KAZANORGSINTEZ	RUSSIA	Ball valves, reduced and full bore, DIN and ANSI. Actuated, Metal and soft seats, with heating jacket, spare parts sets.	2007	FB, DV & TSB
J & P	NC-186 "B" FIELD WI MANIFOLDS	OIL / GAS	REPSOL OIL OPERATIONS	LIBYA	Ball valves, full & Reduced bore CS/SS, Floating & Trunnion #300, #800 DN 3/4" up to DN 6" MOT	2007	Q3 / FB
J & P	NC-186 "H" FIELD SOUTH FACILITY	OIL / GAS	REPSOL OIL OPERATIONS	LIBYA	Ball valves, full & Reduced bore CS/SS, Floating & Trunnion #900, #1500 DN 3/4" up to DN 10"	2007	APT / TSB
TECHNOPROMEXPORT	Ivanovo Power Plant	GAS	RAO EES	RUSSIA	10" & 16" ball valves, full port #300, 316L & LF2 with BW ends, electric actuated.	2007	TSB
CHIYODA CORP.	QATAR SHELL PEARL GTL PROJECT	GAS	QATAR SHELL GTL LIMITED	QATAR	Ball valves, floating, RB, 2", #150 and #300, LCC / WCC Ball valves, trunnion, FB, 2", #600, LCC	2007	PQR-i, APT
LENNIHIMMASH	SEVERORGSINTEZ	GAS	SEVERNEFT	RUSSIA	Ball valves, floating, FB, from DN 50 to DN 150, DIN from PN16 to PN40, LCC Ball valves, trunnion, FB, DN 300, PN 25, LCC	2007	FB, TSB
	6500 m3 Semiref LEG Carrier	LEG		ROMANIA	Ball and butterfly valves DIN PN25-PN40 pressure class from DN15 until DN200 suitable for -110°C	2007	FB,WR,LD
DOW	ONIX	CHEMICAL	DOW	ALEMANIA	Ball valves, full & reduced bore CS/SS trunnion & floating #150 DN 1/2" up to 6" <b>Metal seated</b>	2006	FB / PQR / APT
EXXON-MOBILE	ADRIATIC LNG TERMINAL	LNG	EXXON-MOBILE	SPAIN	MANUAL Ball valves, full & reduced bore CS/LTCS/SS floating #150 and #300 from DN 1" up to 4"	2006	FB / PQR
EXXON-MOBILE	ADRIATIC LNG TERMINAL	LNG	EXXON-MOBILE	SPAIN	ACTUATED Ball valves, full & reduced bore CS/SS floating #150 and #300 from DN 1" up to 4"	2006	FB / PQR
TECNICAS REUNIDAS	GEPESA - 1760 GE PLASTICS HPP		GENERAL ELECTRIC	SPAIN	Ball valves, full and reduced bore #150 & #300. WCC & CF8M. All valves with extensions 100 mm long in T lever and PEEK seats.	2006	PQR-i, FB & TSB
TECHNIP FRANCE	10th Olefin	PETROCHEMICAL	RAS LAFFAN OLEFIN COMPANY	QATAR	20" and smaller sizes. Trunnion Mounted Valves & Floating Ball Valves.	2006	TSB, FB & PQRi
TECHNOPROMEXPORT	Ivanovo Power Plant	GAS	RAO EES	RUSSIA	8" & 10" ball valves, full port #300, 316L & LF2 with BW ends, electric actuated.	2006	TSB
ABB	CH4- Markham J6A-CompressionTower		IV-Oil & Gas B.V.	HOLLAND	Ball valves, full and reduced bore #150,#300,#800,#900,#1500 and #2500, CS-SS-Duplex and superduplex material	2006	AP, SR8, FB, PQR-i



## Valve Supply References for Ships and Shipyards

Shipyard	Country	Ref.	Owner / Engineering	Ship Name	Inspection Body	Application:	Year
SPLIT SHIPYARDS	Croatia	231	CROATIA		LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR CHEMICAL PLANT	1997
SPLIT SHIPYARDS	Croatia	232	CROATIA		LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR CHEMICAL PLANT	1997
TROGIR SHIPYARD	Croatia	229	CROATIA		LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR CHEMICAL PLANT	1997
ULJANIK SHIPYARD	Croatia	233	CROATIA		LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR CHEMICAL PLANT	1997
ASTILLEROS ESPAÑOLES	Spain		PETROBRAS	PLAT. MOBIL "CARIHO"	LLOYD'S REGISTER	BALL AND BUTTERFLY VALVES UP TO DN500 (20")	1997
YSSELWERF		216	ING. LGA	New Construction		BALL VALVES LPG -48°C	1984
YSSELWERF		217	ING. LGA	New Construction		BALL VALVES LPG -48°C	1984
J. PATTJE		356	ING. LGA	New Construction		BALL VALVES LPG -48°C	1984
J. PATTJE		357	ING. LGA	New Construction		BALL VALVES LPG -48°C	1985
YSSELWERF		218	ING. LGA	New Construction		BALL VALVES LPG -48°C	1985
ASTILLEROS REUNIDOS DEL NERVION	Spain	502	ING. LGA	New Construction		BALL VALVES LPG -48°C	1987
BARKMEIJER STROOBOS		247	ING. LGA	New Construction		BALL VALVES LPG -104°C	1989
BOV		312	ING. LGA	New Construction		BALL VALVES LPG -104°C	1989
BOV		315	ING. LGA	New Construction		BALL VALVES LPG -104°C	1989
BODEWES		248	ING. LGA	New Construction		BALL VALVES LPG -104°C	1990
BARKMEIJER STROOBOS		249	ING. LGA	New Construction		BALL VALVES LPG -104°C	1991
BARKMEIJER STROOBOS		250	ING. LGA	New Construction		BALL VALVES LPG -104°C	1992
BRAND OLDENBURG		236	ING. LGA	New Construction		BALL VALVES LPG -104°C	1992
YSSEL YARD		260	ING. LGA	New Construction		BALL VALVES LPG -48°C	1992
CANTIERE NAVALE DI PESARO	Italy	77	LGE Process		RINA	BALL VALVES FOR LPG SERVICE -104°C	1997
HYUNDAY HEAVY INDUSTRIES CO LTD	South Korea	HP 89	LGE Process		BUREAU VERITAS	BALL VALVES FOR LPG SERVICE -48°C	1997
HYUNDAY HEAVY INDUSTRIES CO LTD	South Korea	HP 90	LGE Process		BUREAU VERITAS	BALL VALVES FOR LPG SERVICE -48°C	1997
SHELL MARINE STORE			LGE Process	M.V. ISOCARDIA	LLOYD'S REGISTER	BALL VALVES FOR LPG SERVICE -104°C	1997
HYUNDAY HEAVY IND. ULSAN	South Korea	981	LGE Process		BUREAU VERITAS	BALL VALVES FOR LPG SERVICE -104°C	1997
HYUNDAY HEAVY IND. ULSAN	South Korea	1092	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY IND. ULSAN	South Korea	1093	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY IND. ULSAN	South Korea	1123	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY IND. ULSAN	South Korea	1124	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY IND. ULSAN	South Korea	1146	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
CANTIERE NAVALE DI PESARO	Italy	82	LGE Process		RINA	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
CANTIERE NAVALE DI PESARO	Italy	83	LGE Process		RINA	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
SHIPPING CORP OF INDIA	India		LGE Process	M.V. ANNAPURNA	LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
SHIPPING CORP OF INDIA	India		LGE Process	M.V. NANGA PARBAT	LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY INDUSTRIES CO LTD	South Korea	H 1196	LGE Process		BUREAU VERITAS	BALL VALVES FOR LPG SERVICE -48°C	1998
HYUNDAY HEAVY IND. ULSAN	South Korea	1258	LGE Process		DNV	BALL VALVES FOR LPG SERVICE -104°C	1999
STOCZNIA SZECINSKA SA	Poland	B579/I/1	STORLI		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
STOCZNIA SZECINSKA SA	Poland	B579/I/2	STORLI		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
STOCZNIA SZECINSKA SA	Poland	B579/I/3	STORLI		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
STOCZNIA SZECINSKA SA	Poland	B579/I/4	STORLI		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
DANYARD	Spain	737	Maersk / Stolt Parcel Tankers		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
DANYARD	Denmark	738	Maersk / Stolt Parcel Tankers		DNV	BALL & BUTTERFLY VALVES FOR CHEMICAL SERVICE	1999
SESTAO (SPAIN)	Denmark	B/309	Maersk / Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
SESTAO (SPAIN)	Spain	B/311	Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
JULIANA (ESPAÑA)	Spain	B/360	Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
JULIANA (ESPAÑA)	Spain	B/361	Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
JULIANA (ESPAÑA)	Spain	B/362	Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
JULIANA (ESPAÑA)	Spain	B/363	Stolt Parcel Tankers		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	1999
HOI TUNG / JIANGNAN	China	H2259	LGE Process		CHINESE CLASIFICATION SOCIETY	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1999
IZUMI STEEL WORKS	Japan	H SNO412	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1999
PROPYLENE SPHERES HAR	Greece		LGE Process	ASPROPYRGOS	-	BALL VALVES FOR GAS SERVICE	1999





## Valve Supply References for Ships and Shipyards

Shipyards	Country	Ref.	Owner / Engineering	Ship Name	Inspection Body	Application:	Year
HYUNDAI HEAVY IND. ULSAN	South Korea	1263	LGE Process		BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	1999
NAVAL GIJON	Spain					BALL VALVES FOR CHEMICAL SERVICE	2000
FRISIAN SHIPYARD WELGELEGEN	Netherlands		MARINE SERVICE NOORD		LLOYD'S REGISTER	BALL VALVES FOR CHEMICAL SERVICE	2000
BAITISKL ZAVOD-ST. PETERSBURG	Russia				DNV	CHEMICAL CARRIER	2001
NAMURA SHIPBUILDING CO.LTD	Japan	S228-P4035	LGE Process	New Construction	BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2001
NAMURA SHIPBUILDING CO.LTD	Japan	S230-P4035	LGE Process	New Construction	BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2001
NAMURA SHIPBUILDING CO.LTD	Japan	S231-P4035	LGE Process	New Construction	BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2001
HYUNDAI HEAVY IND. ULSAN	South Korea	1367	LGE Process	New Construction	BUREAU VERITAS	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2001
HYUNDAI HEAVY INDUSTRIES CO LTD	South Korea	H 1414	LGE Process	New Construction	LLOYD'S REGISTER	BALL VALVES FOR GAS SERVICE	2001
GAS AND HEAT S.p.a	Italy	H 88	LGE Process	New Construction	RINA	BALL & BUTTERFLY VALVES FOR LPG SERVICE -104°C	2001
SAMSUNG HEAVY INDUSTRIES	South Korea	H 1366	TRACTEBEL GAS ENG.	New Construction	LLOYD'S REGISTER	BALL VALVES FOR LPG SERVICE -48°C	2001
GAS AND HEAT S.p.a	Italy	H 89	LGE Process	New Construction	RINA	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2002
HYUNDAI HEAVY INDUSTRIES CO LTD	South Korea	H 1422	LGE Process	New Construction	DNV	BALL & BUTTERFLY VALVES FOR LPG SERVICE -48°C	2002
ZHEJIANG SHIPYARD	China	H ZJB00-094	TRACTEBEL GAS ENG.	New Construction	LLOYD'S REGISTER	BALL & BUTTERFLY VALVES FOR LPG CARRIER	2002

These ships replaced existing DENIS NAKAKITA VALVES for BAC BALL VALVES DN-150

JULIANA	Spain	STOLT NIELSEN TRANSP. GROUP	STOLT SEA	LLOYD'S REGISTER	CHEMICAL CARGO VALVES	2001
SESTAO	Spain	STOLT NIELSEN TRANSP. GROUP	STOLT SPAN	LLOYD'S REGISTER	CHEMICAL CARGO VALVES	2001

ONAL FOR BALL AND BUTTERFLY VALVES CRYOGENIC SERVICE -50 TO -200°C SINCE 1998 YEAR



# General Reference list

LAS

CONTRACTOR	PROJECT	PROCESS	USER	COUNTRY	TYPES OF VALVES	YEAR	VALVE TYPE
	Annual contract valves for gas natural with polyethylene ends	GAS	GAS NATURAL S.D.G	SPAIN	Ball valves , full bore, floating 2" to 8"	2006	GN
STIMUL	Orenburggazprom	SOUR GAS	GAZPROM	RUSSIA	Ball valves in LTCS, NACE, DN 2" to 8", full bore, PN40 and #600, manual and actuated.	2006	FB, TSB
	GLT	GAS	NAM	HOLLAND	Ball valves / full and reduced bore / CS, LTCS and SS / DN 1" to 8" / #150 and #600 / manual and actuated valves	2006	PQR-i, FB, AP