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# MARINE PIPING REFERENCE LIST



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**Year 1991**

Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	7 cm. tanks
No and type of Vessels	2 - Hull No's 5898 / 5900
Quantity (no. and m)	2
DN (mm)	1800
Pressure class (bar g)	1,3 - 70° C
Customer	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	6 cm tanks for wash water
No. and type of Vessels	5 - Hull No's 5881 ÷ 5883; 5898 & 5900
Quantity no. and m)	5
DN (mm)	1800
Pressure (Bar)	atmospheric
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast, sounding, fuel oil & drill; water systems
No and type of Vessels	1 - Hull No 5872
Quantity (no. and m)	1.500
DN (mm)	50 ÷ 300
Pressure class (bar g)	3 / 5 / 6,5 Int - 5 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	7 cm tanks for wash water
No and type of Vessels	8 - Hull No's 5889 ÷ 5892 & 5904 ÷ 5907
Quantity (no. and m)	8
DN (mm)	2000
Pressure class (bar g)	Atmospheric
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast & conditioning systems
No and type of Vessels	1 - Hull No. 5899
Quantity (no. and m)	150
DN (mm)	150 ÷ 600
Pressure class (bar g)	3 / 5 / 6,5 Int - 5 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 5912 & 5914
Quantity (no. and m)	2.030
DN (mm)	200 ÷ 350
Pressure class (bar g)	3,5 Int - 2,5 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast & cargo systems
No and type of Vessels	2 - Hull No's 5918 & 5919
Quantity (no. and m)	1.200
DN (mm)	200 ÷ 400
Pressure class (bar g)	400, 250, 200
Customer / Shipowner	<b>Cochrane Shipbuilders LTD</b>
Service	tankwashing System
No and type of Vessels	1 - Hull 173
Quantity (no. and m)	110
DN (mm)	25 ÷ 150
Pressure class (bar g)	20
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	7 cm tanks for wash water
No and type of Vessels	2 - Hull No's 5918 & 5919
Quantity (no. and m)	2
DN (mm)	2000
Pressure class (bar g)	2 - 70° c



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Year 1993

Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	installation for water ballast system
No and type of Vessels	1 - Hull 5899
Quantity (no. and m)	150
DN (mm)	150
Pressure class (bar g)	3 Int - 3 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	inert gas system
No and type of Vessels	2 - Hull No's 5925 & 5926
Quantity (no. and m)	160
DN (mm)	65 ÷ 300
Pressure class (bar g)	2,5
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	2 cm tanks for wash water
No and type of Vessels	2 - Hull No's 5882 & 5983
Quantity (no. and m)	2
DN (mm)	800 ÷ 2000
Pressure class (bar g)	0,5
Customer / Shipowner	<b>Red Band Oslo</b>
Service	oil cargo line
No and type of Vessels	1 - Knock Nalling
Quantity (no. and m)	40
DN (mm)	450 - 500
Pressure class (bar g)	Int 16 - Ext 3
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast & cargo systems
No and type of Vessels	2 - Hull No's 5918 & 5919
Quantity (no. and m)	180
DN (mm)	200 ÷ 400
Pressure class (bar g)	3,5 Int - 2,5 Ext 3,5 Int - 2,5 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 5915
Quantity (no. and m)	1.050
DN (mm)	200 - 350
Pressure class (bar g)	3,5 Int - 2,5 Ext
Customer / Shipowner	<b>Red Band Oslo</b>
Service	oil cargo & water ballast line
No and type of Vessels	1 - Knock Reoch
Quantity (no. and m)	52
DN (mm)	450 - 500
Pressure class (bar g)	Int 16 - Ext 3
Customer / Shipowner	<b>Smedvig - Verholme - Grootint</b>
Service	water injection system
No and type of Vessels	1 - West Omikron
Quantity (no. and m)	365
DN (mm)	50 ÷ 500
Pressure class (bar g)	16 Int - Full Vacume
Customer / Shipowner	<b>Aarhus Flydedok</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 208
Quantity (no. and m)	150
DN (mm)	125 150
Pressure class (bar g)	10 Int - 1 Ext



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Year 1994

Customer / Shipowner	<b>Aarhus Flydedok</b>
Service	water ballast system
No and type of Vessels	3 - Hull No's 209 ÷ 211
Quantity (no. and m)	450
DN (mm)	125 - 150
Pressure class (bar g)	10 Int - 1 Ext
Customer / Shipowner	<b>Kvaerner Kleven</b>
Service	tank cleaning system
No and type of Vessels	5
Quantity (no. and m)	Over 500
DN (mm)	50 - 400
Pressure class (bar g)	12 Int
Customer / Shipowner	<b>Norsk Hydro</b>
Service	living quarters system
No and type of Vessels	1 Troll Olje
Quantity (no. and m)	255
DN (mm)	50 ÷ 300
Pressure class (bar g)	16 Int
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / DE JULIMAR - Napoli</b>
Service	water ballast, stripping & bilge systems
No and type of Vessels	5 - Hull No's 5943 ÷ 5947
Quantity (no. and m)	3,600
DN (mm)	100 ÷ 400
Pressure class (bar g)	6,5 Int - 2,0 Ext
Customer / Shipowner	<b>Red Band Oslo</b>
Service	water ballast & oil cargo lines
No and type of Vessels	1 - Knock Dee
Quantity (no. and m)	72
DN (mm)	250 - 450
Pressure class (bar g)	int 16 - Ext 3
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste</b>
Service	oil cargo system
No and type of Vessels	2 - Hull No's 5918 & 5919
Quantity (no. and m)	600
DN (mm)	200 - 250
Pressure class (bar g)	3 Ext
Customer / Shipowner	<b>Aarhus Flydedok</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 212
Quantity (no. and m)	150
DN (mm)	125 - 150
Pressure class (bar g)	10 Int - 1 Ext
Customer / Shipowner	<b>Kvaerner Kleven</b>
Service	sea water cooling, tank cleaning & air, sounding systems
No and type of Vessels	2
Quantity (no. and m)	± 500
DN (mm)	50 - 350
Pressure class (bar g)	3 - 12 int
Customer / Shipowner	<b>Mitsubishi Heavy Ind. Ltd. / NSCSA</b>
Service	water ballast system
No and type of Vessels	5 - Hull No's 2093 ÷ 2097 - VLCC
Quantity (no. and m)	± 2.500
DN (mm)	200 ÷ 550
Pressure class (bar g)	3 Ext / 5 Int



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Year 1995

Customer / Shipowner	<b>Kawasaki Heavy Ind. Ltd. / QATAR GAS</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 1445 & 1446 - LNG Carrier
Quantity (no. and m)	over 1000
DN (mm)	150 ÷ 500
Pressure class (bar g)	3 Ext / 5 Int
Customer / Shipowner	<b>Kawasaki Heavy Ind. Ltd. / EXMAR</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 1456 - LPG Carrier
Quantity (no. and m)	± 300
DN (mm)	250 - 350
Pressure class (bar g)	3.5 Int - 2.5 Ext
Customer / Shipowner	<b>Red Band Oslo</b>
Service	water ballast & oil cargo lines
No and type of Vessels	1
Quantity (no. and m)	124
DN (mm)	250 ÷ 500
Pressure class (bar g)	int 16 - Ext 3
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / DEIULEMAR - Napoli</b>
Service	water ballast, stripping & bilge systems
No and type of Vessels	3 - Hull No's 5981 ÷ 5983
Quantity (no. and m)	2.160
DN (mm)	100 ÷ 400
Pressure class (bar g)	6,5 Int - 2,0 Ext
Customer / Shipowner	<b>Astilleros Espanoles Puerto Real / CARGILL SHIPPING</b>
Service	ballast stripping system
No and type of Vessels	2 - Hull NO's 75 & 76
Quantity (no. and m)	300
DN (mm)	150
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Astilleros Espanoles Sestao / PVD MARINA</b>
Service	water ballast system
No and type of Vessels	4 - Hull No's 302 ÷ 305
Quantity (no. and m)	1225
DN (mm)	200 ÷ 400
Pressure class (bar g)	2,0 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / FAIRLINE S. G.</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 5955
Quantity (no. and m)	85
DN (mm)	150
Pressure class (bar g)	6 Int
Customer / Shipowner	<b>Fincantieri C.N.I.SpA Marghera / SNAM</b>
Service	ventilation pipes for water ballast system
No and type of Vessels	2 - Hull No's 5925 & 5926
Quantity (no. and m)	580
DN (mm)	300
Pressure class (bar g)	6 Int
Customer / Shipowner	<b>Fincantieri C.N.I.SpA Marghera / DEIULEMAR Napoli</b>
Service	installation of ballast and stripping systems including supports;
No and type of Vessels	2 - Hull No's 5946 & 5947
Quantity (no. and m)	720
DN (mm)	100 ÷ 400
Pressure class (bar g)	6,5 Int - 2,0 Ext



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Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / PERSEVERANZA S.p.A.</b>
Service	water ballast, stripping & bilge systems
No and type of Vessels	1 - Hull No. 5991
Quantity (no. and m)	720
DN (mm)	100 ÷ 400
Pressure class (bar g)	6,5 Int - 2,0 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / RAVE NAVI Ravenna</b>
Service	water ballast, cargo & inert gas
No and type of Vessels	1 - Hull No. 5927
Quantity (no. and m)	1400 ÷ 600
DN (mm)	200
Pressure class (bar g)	15 Int - 2,5 Ext
Customer / Shipowner	<b>S. A. Juliana Constructora / JO Tankers</b>
Service	water ballast system
No and type of Vessels	3 - Hull No's 357 ÷ 359
Quantity (no. and m)	221
DN (mm)	150 ÷ 250
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Astilleros Espanoles Sestao / TEXACO</b>
Service	water ballast & cargo systems
No and type of Vessels	1 - Hull 306
Quantity (no. and m)	996
DN (mm)	200 ÷ 700
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / CARBOFIN Genova</b>
Service	inert gas
No and type of Vessels	1 - Hull No. 5962
Quantity (no. and m)	150
DN (mm)	25 ÷ 500
Pressure class (bar g)	6 Int
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / GRIMALDI GROUP Napoli</b>
Service	water ballast system
No and type of Vessels	3 - Hull No's 5984 ÷ 5986
Quantity (no. and m)	520
DN (mm)	150 ÷ 600
Pressure class (bar g)	2,5 Int - 3,5 Ext
Customer / Shipowner	<b>Sumitomo Heavy Industries / Onassis-Springfield Shipping CO.</b>
Service	water ballast system
No and type of Vessels	1 - Hull No.1213
Quantity (no. and m)	300
DN (mm)	200 ÷ 550
Pressure class (bar g)	4,4 Int - 2,0 Ext
Customer / Shipowner	<b>Naval Gijon S.A. / BIBBY LINES</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 551
Quantity (no. and m)	221
DN (mm)	150 ÷ 250
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Fincantieri c.n.i. SpA Sestri / CARBOFIN Genova</b>
Service	installation of inert gas system including supports
No and type of Vessels	1 - Hull No. 5962
Quantity (no. and m)	150
DN (mm)	25 ÷ 500
Pressure class (bar g)	6 Int

Year 1996



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Customer / Shipowner	<b>Fincantieri C.N.I. SpA Marghera / RAVENAVI Genova</b>
Service	ventilation pipes for water ballast system
No and type of Vessels	1 - Hull No. 5927
Quantity (no. and m)	170
DN (mm)	300
Pressure class (bar g)	6 Int
Customer / Shipowner	<b>Cantiere Morini Ancona</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 258
Quantity (no. and m)	360
DN (mm)	150
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Uljanik - Pula Hrvatska / ICEPORT Shipping Marflet</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 410 + 1 optional
Quantity (no. and m)	290
DN (mm)	200 ÷ 300
Pressure class (bar g)	2,0 Ext
Customer / Shipowner	<b>Astilleros Españoles Sestao / STAT OIL</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 308 - crude oil shuttle tanker
Quantity (no. and m)	460
DN (mm)	350 ÷ 600
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / GRIMALDI GROUP Napoli</b>
Service	water ballast system
No and type of Vessels	3 - Hull No's 5987 ÷ 5988 & 6018 - Ro - Ro
Quantity (no. and m)	520
DN (mm)	150 ÷ 600
Pressure class (bar g)	2,5 Int - 3,5 Ext
Customer / Shipowner	<b>Naval Gijon S.A. / KNOTSEN OAS Shipping Norway</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 550 - 18.950 DWT Oil products / Chemical Tanker
Quantity (no. and m)	221
DN (mm)	150 ÷ 250
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Factorias Vulcano S.A. Vigo / UNITED TANKERS</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 458 & 459 - 16.000 DWT Chemical Tanker
Quantity (no. and m)	± 344
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Montaje Puerto Real / PETROBRAS</b>
Service	water ballast system
No and type of Vessels	1 - cairu - tanker
Quantity (no. and m)	120
DN (mm)	350
Pressure class (bar g)	10
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / P &amp; O</b>
Service	water ballast system
No and type of Vessels	1 - Hull No 5998 - passenger liner
Quantity (no. and m)	85
DN (mm)	150
Pressure class (bar g)	6 Int

Year 1997



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Customer / Shipowner	<b>Kawasaki Heavy Ind. Ltd. / QATAR GAS</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 1470 - LNG Carrier
Quantity (no. and m)	Over 500
DN (mm)	150 ÷ 550
Pressure class (bar g)	3 Ext / Int
Customer / Shipowner	<b>Lindenau GMBH (D) / Marittima Emiliana SpA Gruppo Amoretti</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 246 - chemical tanker
Quantity (no. and m)	over 500
DN (mm)	125 - 200
Pressure class (bar g)	1,5 Ext / 6 Int
Customer / Shipowner	<b>Astilleros Españoles Sestao / STAT OIL</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 314 & 315 - crude oil shuttle tanker
Quantity (no. and m)	over 920
DN (mm)	350 ÷ 600
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Astilleros Españoles Puerto Real / STAT OIL</b>
Service	water ballast system
No and type of Vessels	1 - Hull No.083 - crude oil shuttle tanker
Quantity (no. and m)	460
DN (mm)	350 ÷ 600
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Brodosplit Shipbuilding Industry / ULTRA GAS</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 400 & 401 - chemical tanker
Quantity (no. and m)	117
DN (mm)	250 ÷ 450
Pressure class (bar g)	3,0 Ext
Customer / Shipowner	<b>Astilleros Españoles Sestao / Stolt Parcel Tankers</b>
Service	water ballast system including pump room
No and type of Vessels	2 - Hull No's 309 & 311 - cargo tanker
Quantity (no. and m)	over 550
DN (mm)	65 ÷ 300
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>S. A. Juliana Constructora / Stolt Parcel Tankers</b>
Service	water ballast system including pump room
No and type of Vessels	4 - Hull No's 360 ÷ 363 - cargo tanker
Quantity (no. and m)	over 1100
DN (mm)	65 ÷ 300
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Uljanik Pula Hrvatska / Iceport Shipping - Marflet</b>
Service	cooling water return for inert gas system
No and type of Vessels	1 - Hull No. 410 - tanker
Quantity (no. and m)	50
DN (mm)	100 ÷ 400
Pressure class (bar g)	6
Customer / Shipowner	<b>Factorias Vulcano S.A. Vigo / UNITED TANKERS</b>
Service	tank cleaning system
No and type of Vessels	2 - Hull No's 458 & 459 - 16.000 DWT Chemical Tanker
Quantity (no. and m)	± 340
DN (mm)	50 ÷ 150
Pressure class (bar g)	1,5 Ext





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Customer / Shipowner Service	<b>Astilleros Españoles Puerto Real / STAT OIL</b> water ballast system
No and type of Vessels	1 - Hull No.084 - multi purpose oil tanker - (M.O.T.)
Quantity (no. and m)	460
DN (mm)	350 ÷ 600
Pressure class (bar g)	3,5 Ext
Customer / Shipowner Service	<b>Dalian New Shipyard / Avra Ship Management Greece</b> water ballast system
No and type of Vessels	1 - Hull No. PC 1100-6 - product oil carrier
Quantity (no. and m)	over 350
DN (mm)	350 - 500
Pressure class (bar g)	3,0 Ext / 10 Int
Customer / Shipowner Service	<b>Lindenau GMBH (D) / Marittima Emiliana SpA Gruppo Amoretti</b> inert gas system
No and type of Vessels	2 - Hull No. 245 & 246 - chemical tankers
Quantity (no. and m)	over 100
DN (mm)	300
Pressure class (bar g)	6 Int
Customer / Shipowner Service	<b>Danyard / STOLT PARCEL TANKERS</b> air and sounding pipes
No and type of Vessels	2 + 2 options - chemical parcel carrier
Quantity (no. and m)	approx. 400
DN (mm)	50 - 80
Pressure class (bar g)	2,5 Ext / 10 Int
Customer / Shipowner Service	<b>Union Naval de Levante / Ermewa Maritime France</b> water ballast system
No and type of Vessels	1 - Hull No. 254 - chemical carrier
Quantity (no. and m)	over 300
DN (mm)	300
Pressure class (bar g)	1,5 Ext / 10 Int
Customer / Shipowner Service	<b>Union Naval de Levante / SEA TRANS Norway</b> water ballast system
No and type of Vessels	2 - Hull No's. 253 & 255 - chemical carrier
Quantity (no. and m)	over 600
DN (mm)	300
Pressure class (bar g)	1,5 Ext / 10 Int
Customer / Shipowner Service	<b>Lindenau GMBH (D) / Marittima Emiliana SpA Gruppo Amoretti</b> water ballast system
No and type of Vessels	1 - Hull No. 245 chemical tanker
Quantity (no. and m)	over 500
DN (mm)	125 - 200
Pressure class (bar g)	1,5 Ext / 6 Int
Customer / Shipowner Service	<b>Naval Gijon S.A. / KNOTSEN OAS Shipping Norway</b> water ballast system
No and type of Vessels	1 - Hull No. 554 - chemical carrier
Quantity (no. and m)	260
DN (mm)	200 ÷ 350
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Astilleros Españoles Puerto Real / STAT OIL</b> water ballast system
No and type of Vessels	1 - Hull No.085 - crude oil shuttle tanker - (M.O.T.)
Quantity (no. and m)	460
DN (mm)	350 ÷ 600
Pressure class (bar g)	3,0 Ext

Year 1998



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Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / P&amp;O</b>
Service	water ballast system
No and type of Vessels	1 - Hull No 6044 - passenger liner
Quantity (no. and m)	85
DN (mm)	150
Pressure class (bar g)	6 Int
Customer / Shipowner	<b>Brodosplit Shipbuilding Industry / Eastern Mediterranean</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 406 & 407 - product carrier
Quantity (no. and m)	over 400
DN (mm)	350
Pressure class (bar g)	2,0 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / Grimaldi Group Napoli</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 6055 & 6056 - RO-RO Passenger
Quantity (no. and m)	520
DN (mm)	150 ÷ 600
Pressure class (bar g)	2,5 Int - 3,5 Ext
Customer / Shipowner	<b>Dalian Shipyard / COSCO China</b>
Service	water ballast system
No and type of Vessels	2 - Hull No. OT650 – ½ - crude oil tanker
Quantity (no. and m)	over 600
DN (mm)	150 ÷ 400
Pressure class (bar g)	3,0 Ext / 6 Int
Customer / Shipowner	<b>Astilleros de Cadiz s.r.l. / PETROBAS</b>
Service	inert gas generators drain pipe
No and type of Vessels	1 – project P-47 - drilling rig
Quantity (no. and m)	70
DN (mm)	400 - 450
Pressure class (bar g)	10 Int
Customer / Shipowner	<b>Naval Gijon S.A. / KNOTSEN OAS Shipping Norway</b>
Service	water ballast system
No and type of Vessels	2 – Hull No's 553 & 556 - chemical carrier
Quantity (no. and m)	280
DN (mm)	200 ÷ 350
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Naval Gijon S.A. / KNOTSEN OAS Shipping Norway</b>
Service	inert gas
No and type of Vessels	1 - Hull No. 554 - chemical carrier
Quantity (no. and m)	± 20
DN (mm)	400
Pressure class (bar g)	10 Int
Customer / Shipowner	<b>Cantiere Morini Ancona</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 266
Quantity (no. and m)	360
DN (mm)	150
Pressure class (bar g)	1,5 Ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Ancona / FINAVAL - JEVOLI</b>
Service	water ballast system
No and type of Vessels	2 - Hull No's 6053 & 6054 + 2 - chemical tanker
Quantity (no. and m)	250
DN (mm)	300 ÷ 450
Pressure class (bar g)	6 Int - 2,5 / 1,5 Ext

Year 1999



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Customer / Shipowner	<b>Dalian New Shipyard / COSCO China</b>
Service	water ballast system
No and type of Vessels	2 - Hull No. T680 – ½ - crude oil tanker
Quantity (no. and m)	over 300
DN (mm)	300 - 450
Pressure class (bar g)	3,0 Ext / 6 Int
Customer / Shipowner	<b>Mitsubishi Heavy Ind. Ltd. / ENRON</b>
Service	water ballast system
No and type of Vessels	LNG
Quantity (no. and m)	± 450
DN (mm)	300 ÷ 550
Pressure class (bar g)	3 Ext / 6 Int
Customer / Shipowner	<b>Mitsubishi Heavy Ind. Ltd. / BUMEI</b>
Service	water ballast system
No and type of Vessels	1 - Hull No 2163 - LNG
Quantity (no. and m)	± 450
DN (mm)	300 ÷ 550
Pressure class (bar g)	3 Ext / 6 Int
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / P &amp; O</b>
Service	water ballast system
No and type of Vessels	2 - Hulls No 6050 & 6051 - passenger liner
Quantity (no. and m)	50
DN (mm)	200
Pressure class (bar g)	1,5 Ext / 6 Int
Customer / Shipowner	<b>Astilleros Españoles Puerto Real / STAT OIL</b>
Service	inert gas sea water discharge system
No and type of Vessels	1 - Hull No.084 - multi purpose oil tanker - (M.O.T.)
Quantity (no. and m)	70
DN (mm)	50 ÷ 400
Pressure class (bar g)	1,5 Ext / 10 Int
Customer / Shipowner	<b>Astilleros Españoles Puerto Real / STAT OIL</b>
Service	deck wash & fire system
No and type of Vessels	1 - Hull No.084 - multi purpose oil tanker - (M.O.T.)
Quantity (no. and m)	505
DN (mm)	50 - 200
Pressure class (bar g)	1,5 Ext / 16 Int
Customer / Shipowner	<b>Astilleros Españoles Sestao / KNUITSEN OAS Shipping Norway</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 319 + 1 option - L.N.G. Carrier
Quantity (no. and m)	350
DN (mm)	450 - 600
Pressure class (bar g)	3,5 Ext / 6 Int
Customer / Shipowner	<b>Astilleros Españoles Puerto Real / NAVIERA TAPIAS</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 320 + 1 option - L.N.G. Carrier
Quantity (no. and m)	350
DN (mm)	450 - 600
Pressure class (bar g)	3,5 Ext / 6 Int
Customer / Shipowner	<b>Astilleros Españoles Sestao / ELCANO</b>
Service	water ballast system
No and type of Vessels	1 - Hull No. 321 + 1 option - L.N.G. Carrier
Quantity (no. and m)	350
DN (mm)	450 - 600
Pressure class (bar g)	3,5 Ext / 6 Int

Year 2000



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Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Fincantieri Trieste Cantiere Cartubi / P &amp; O</b> swimming pools discharge systems 1 - Hull No. 6050 - passenger liner 780 50 ÷ 200 6 Int
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Brodosplit Brodogradiliste d.o.o. / GOMUS</b> water ballast & bilge systems 3 – Hulls No. 421/422/423 + 1 options - bulk carriers 920 each vessel 150÷ 250 3 Int – 3 Ext.
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Fincantieri C.N.I. SpA Trieste / CARNIVAL LINES</b> MR-MC-EV-ZA-PI 2 – Hulls No. 6057-6058 - cruise vessel ≈ 1.350 m each Vessel 25 ÷ 600 6 Int
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Brodosplit Brodogradiliste d.o.o.</b> water ballast system 3 – Hulls No. 429/430/431 - chemical carriers 400 m each vessel 200 ÷ 350 3 Int – 3 Ext.
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Fincantieri C.N.I. SpA Trieste / S.N.C.M.</b> water ballast system 1 – Hull No. 6081 - ferry 2200/2400 pax 320 m each vessel 300, 200 3 Int – 2,5 Ext.
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Naval Gijon S.A. / KNUTSEN OAS Shipping Norway</b> water ballast system 1 – Hull No. 603 - product/chemical tanker 290 m 200 ÷ 350 3 Int – 2,5 Ext.
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Fincantieri C.N.I. SpA Trieste / COSTA CROCIERE</b> MR-MC-EV-ZA-PI 2 – Hulls No. 6086-6087 - cruise vessel ≈ 1.300 m each Vessel 25 ÷ 600 6 Int .
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Fincantieri Trieste Nuovo Arsenal e / P &amp; O</b> swimming pools discharge systems 1 - Hull No. 6051 - passenger liner 780 50 ÷ 200 6 Int
Customer / Shipowner Service No and type of Vessels Quantity (no. and m) DN (mm) Pressure class (bar g)	<b>Kawasaki Heavy Industries, Ltd. / Tokyo Gas / Mitsui Osk Line</b> water ballast system 1 - Hull No. 22N1520 - 145.000 m3 – LNG Carrier 450 150 ÷ 550 6 Int – 3 Ext.

Year 2001



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Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / GRIMALDI GROUP Napoli</b> water ballast system
No and type of Vessels	5 - Hull No's 6091-6092-6093-6094-6095 - RO-RO Passenger
Quantity (no. and m)	2.600
DN (mm)	150 ÷ 600
Pressure class (bar g)	2,5 Int - 3,5 Ext
Customer / Shipowner Service	<b>Brodosplit Brodogradiliste d.o.o.</b> wireway on deck
No and type of Vessels	3 – Hulls No. 429/430/431 - Chemical carriers
Quantity (no. and m)	totally three vessels about 400 m
DN (mm)	50 ÷ 200
Pressure class (bar g)	N/A
Customer / Shipowner Service	<b>IZAR Puerto Real / KNUITSEN OAS Shipping Norway</b> water ballast system & stripping
No and type of Vessels	1 - Hull No. 103 - L.N.G. carrier
Quantity (no. and m)	350
DN (mm)	450 - 600
Pressure class (bar g)	3,5 Ext / 6 Int
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / MARPETROL</b> water ballast system
No and type of Vessels	1 Hull No: 481 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Naval Gijon S.A. / KNUITSEN OAS Shipping Norway</b> water ballast system
No and type of Vessels	1 – Hull No. 604 - product/chemical tanker
Quantity (no. and m)	290 m
DN (mm)	200 ÷ 350
Pressure class (bar g)	3 Int – 2,5 Ext.
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / MARPETROL</b> tank cleaning system
No and type of Vessels	1 Hull No: 481 - 18.600 DWT Chemical & Oil Tanker
Quantity (no. and m)	± 340
DN (mm)	50 ÷ 150
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Brodosplit Brodogradiliste d.o.o. / Tankerska Plovidba - HR</b> water ballast system
No and type of Vessels	2 – Hulls No. 433/434 - suez maxy tankers
Quantity (no. and m)	380 m each vessel
DN (mm)	300 ÷ 700
Pressure class (bar g)	3 Int – 3,5 Ext.
Customer / Shipowner Service	<b>IZAR Puerto Real / KNUITSEN OAS Shipping Norway</b> water ballast system & stripping
No and type of Vessels	1 - Hull No. 105 - L.N.G. carrier
Quantity (no. and m)	350
DN (mm)	450 & 600
Pressure class (bar g)	3,5 Ext / 6 Int
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / MARPETROL</b> water ballast system
No and type of Vessels	1 Hull No: 482 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 550
Pressure class (bar g)	1,5 Ext

Year 2002



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Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / MARPETROL</b> tank cleaning system
No and type of Vessels	1 Hull No: 482 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 340
DN (mm)	50 ÷ 150
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. JAPAN / MOL LINE</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1527 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / AUGUSTA DUE</b> water ballast system
No and type of Vessels	1 Hull No: 478 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Brodosplit Brodogradiliste d.o.o. / PRIMORSK Russia</b> water ballast and stripping systems
No and type of Vessels	3 – Hulls No. 439/440/441 - oil tankers
Quantity (no. and m)	360 m each vessel
DN (mm)	200 ÷ 700
Pressure class (bar g)	3 Int – 3,5 Ext.
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / CARNIVAL LINES</b> MR-MC-EV-ZA-PI
No and type of Vessels	1 – Hulls No. 6082 - cruise vessel
Quantity (no. and m)	≈ 1.350 m each Vessel
DN (mm)	25 ÷ 600
Pressure class (bar g)	6 Int .
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / P &amp; O</b> water ballast system
No and type of Vessels	1 - Hulls No 6067 - cruise vessel
Quantity (no. and m)	50
DN (mm)	200
Pressure class (bar g)	1,5 Ext / 6 Int
Customer / Shipowner Service	<b>Kawasaki Heavy Ind., Ltd. Japan / TOKYO GAS</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1521 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / P &amp; O</b> water ballast system
No and type of Vessels	1 - Hull No. 6067 - passenger liner
Quantity (no. and m)	50
DN (mm)	200-150
Pressure class (bar g)	1,5 Ext / 6 Int
Customer / Shipowner Service	<b>Kawasaki Heavy IND. Ltd. Japan / SONATRACH Algeria</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1534 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.



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Year 2003

Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / AUGUSTA DUE</b> tank cleaning system
No and type of Vessels	1 Hull No: 478 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	50 ÷ 200
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Fincantieri Trieste Nuovo Arsenale / P &amp; O</b> swimming pools discharge systems
No and type of Vessels	1 - Hull No. 6051 - passenger liner
Quantity (no. and m)	780
DN (mm)	50 ÷ 200
Pressure class (bar g)	6 Int
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / CARNIVAL LINES</b> MR-MC
No and type of Vessels	1 – Hulls No. 6111 - cruise vessel
Quantity (no. and m)	4 filter tanks – sea water chest intake
DN (mm)	1500
Pressure class (bar g)	10 Bar
Customer / Shipowner Service	<b>Brodosplit Brodogradiliste d.o.o. / TANKERSKA PLOVIDBA HR</b> water ballast system
No and type of Vessels	2 – Hulls No. 433-434 - suez maxy tankers
Quantity (no. and m)	370 m each vessel
DN (mm)	300 ÷ 400
Pressure class (bar g)	3 Int – 3,5 Ext.
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Trieste / MARINA MILITARE ITALIANA</b> water ballast and vent system
No and type of Vessels	1 – Hulls No. 6112 - barge
Quantity (no. and m)	1.350 m
DN (mm)	50 ÷ 400
Pressure class (bar g)	Pe 2,0 and PN 6
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / AUGUSTA DUE</b> tank cleaning system
No and type of Vessels	1 Hull No: 480 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	50 ÷ 200
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Factorias Vulcano S.A. Vigo / AUGUSTA DUE</b> water ballast system
No and type of Vessels	1 Hull No: 480 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Naval Gijon S.A. / KNUTSEN OAS Shipping Norway</b> water ballast system
No and type of Vessels	1 – Hull No. 610 - product/chemical tanker
Quantity (no. and m)	290 m
DN (mm)	200 ÷ 350
Pressure class (bar g)	3 Int – 2,5 Ext.
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / SULTANATE of OMAN</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1562 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.



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Year 2004

Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / MOBY LINES</b>
Service	water ballast system
No and type of Vessels	2 – Hulls No. 6116-6118 RO-RO carrier -
Quantity (no. and m)	250 m
DN (mm)	250-200
Pressure class (bar g)	6 Bar – 2,0 Ext.
Customer / Shipowner	<b>Astilleros De Murueta S.A.</b>
Service	water ballast system
No and type of Vessels	1 – Hull No. B248 - oil barge
Quantity (no. and m)	120 m
DN (mm)	250-200
Pressure class (bar g)	6 Bar – 2,0 Ext.
Customer / Shipowner	<b>Naval Gijon S.A. / KNUTSEN OAS Shipping Norway</b>
Service	tank cleaning system
No and type of Vessels	1 – Hull No. 610 - product/chemical tanker
Quantity (no. and m)	250 m
DN (mm)	200 ÷ 350
Pressure class (bar g)	3 Int – 2,5 Ext.
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / CARNIVAL LINES</b>
Service	MR- MC*
No and type of Vessels	1 – Hull No. 6122 - cruise vessel
Quantity (no. and m)	4 filter tanks – sea water chest intake
DN (mm)	1500
Pressure class (bar g)	10 Bar
Customer / Shipowner	<b>Renco S.p.A. Italy / AGIP</b>
Service	MR-MC*
No and type of Vessels	Kitina Platform - drilling rig
Quantity (no. and m)	200
DN (mm)	40 – 250
Pressure class (bar g)	16 Bar
Customer / Shipowner	<b>Mitsubishi Heavy Ind. Ltd Japan</b>
Service	water ballast system
No and type of Vessels	1 – Hull No. 2215 - 145.000 m3 -LNG carrier
Quantity (no. and m)	450 m
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3,0 Ext.
Customer / Shipowner	<b>Koyo Dockyard Co. Ltd. / K LINE</b>
Service	water ballast system
No and type of Vessels	1 – Hull No. 2258 - 154.200 m3 -LNG carrier
Quantity (no. and m)	400 m
DN (mm)	200 ÷ 600
Pressure class (bar g)	6 Int – 1,5 Ext.
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / CARNIVAL LINES</b>
Service	MR- MC-PI-EV-AZ*
No and type of Vessels	1 – Hull No. 6111 - cruise vessel
Quantity (no. and m)	≈ 1.350 m each Vessel
DN (mm)	25 ÷ 600
Pressure class (bar g)	6 Int .
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Trieste / P &amp; O</b>
Service	MR- MC-PI-EV-AZ*
No and type of Vessels	1 – Hull No. 6100 - cruise vessel
Quantity (no. and m)	≈ 1.350 m each vessel
DN (mm)	25 ÷ 700
Pressure class (bar g)	6 Int .





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Year 2005

Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / TOKYO GAS</b> water ballast system
No and type of Vessels	1 – Hull No. 22N1540 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / TOKYO GAS</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1545 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Factorias Vulcano Vigo / AUGUSTA DUE</b> water ballast system
No and type of Vessels	1 Hull No: 490 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA. Marghera / CARNIVAL LINES</b> MR- MC-PI-EV-AZ*
No and type of Vessels	1 – Hull No. 6129 - cruise vessel
Quantity (no. and m)	~ 1.350 m each Vessel
DN (mm)	25 ÷ 600
Pressure class (bar g)	6 Int .
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA. Sestri / COSTA CROCIERE</b> MR- MC-PI-EV-AZ*
No and type of Vessels	1 – Hull No. 6130 - cruise vessel
Quantity (no. and m)	~ 1.350 m each vessel
DN (mm)	25 ÷ 600
Pressure class (bar g)	6 Int .
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA. Monfalcone / CARNIVAL LINES</b> MR- MC-PI-EV-AZ*
No and type of Vessels	1 – Hull No. 6131 - cruise vessel
Quantity (no. and m)	~ 1.350 m each vessel
DN (mm)	25 ÷ 600
Pressure class (bar g)	6 Int .
Customer / Shipowner Service	<b>Factorias Vulcano Vigo / AUGUSTA DUE</b> water ballast system
No and type of Vessels	1 Hull No: 491 - 18.600 DWT chemical & oil tanker
Quantity (no. and m)	± 350
DN (mm)	150 ÷ 450
Pressure class (bar g)	1,5 Ext
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / TOKYO GAS</b> water ballast system
No and type of Vessels	1 – Hull No. 22N1587 - 145.000 m3 – LNG carrier
Quantity (no. and m)	450
DN (mm)	150 ÷ 450
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Factorias Vulcano Vigo</b> water ballast system
No and type of Vessels	1 Hull No: 489 - chemical carrier
Quantity (no. and m)	± 380
DN (mm)	125 ÷ 350
Pressure class (bar g)	2,5 ext

Year 2006



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Customer / Shipowner	<b>Fincantieri C.N.I. SpA Ancona</b>
Service	water ballast system
No and type of Vessels	1 Hull No. 6140 - RO-RO carrier
Quantity (no. and m)	110 m
DN (mm)	250-200
Pressure class (bar g)	6 Bar – 2,0 Ext.
Customer / Shipowner	<b>Koyo Dockyard Co. Ltd. / K LINE</b>
Service	water ballast system
No and type of Vessels	1 Hull No: 2260 - 154.200 m3 – In6 carrier
Quantity (no. and m)	400 m
DN (mm)	200 ÷ 600
Pressure class (bar g)	6 int. – 1,5 ext
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Sestri / COSTA CROCIERE</b>
Service	water ballast – swimmingpool cool water
No and type of Vessels	1 Hull No: 6148 - cruise vessels
Quantity (no. and m)	~ 1.350 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Marghera / H.A.L.</b>
Service	MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6149 - cruise vessels
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / P &amp; O</b>
Service	MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6150 - cruise vessels
Quantity (no. and m)	~ 2.000 m each vessel
DN (mm)	125 ÷ 700
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Navantia VULCANO Puerto Real</b>
Service	water ballast system in w.b. tanks
No and type of Vessels	1 Hull No: 109 - 30 k chemical tankers
Quantity (no. and m)	420 m
DN (mm)	125 ÷ 300
Pressure class (bar g)	2,5
Customer / Shipowner	<b>Navantia VULCANO Puerto Real</b>
Service	water ballast system in w.b. tanks
No and type of Vessels	1 Hull No: 110 - 30 k chemical tankers
Quantity (no. and m)	420 m
DN (mm)	125 ÷ 350
Pressure class (bar g)	2,5
Customer / Shipowner	<b>Koyo Dockyard Co. Ltd. / M.O.L.</b>
Service	water ballast system
No and type of Vessels	1 Hull No: 2263 - 154.200 m3 – In6 carrier
Quantity (no. and m)	400 m
DN (mm)	200 ÷ 600
Pressure class (bar g)	6 int. – 1,5 ext
Customer / Shipowner	<b>Koyo Dockyard Co. Ltd. / M.O.L.</b>
Service	water ballast system
No and type of Vessels	1 Hull No: 2265 - 154.200 m3 – In6 carrier
Quantity (no. and m)	400 m
DN (mm)	200 ÷ 600
Pressure class (bar g)	6 int. – 1,5 ext

Year 2007



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Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / OSAKA GAS / NYK</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1591 - 153.000 m3 – LNG carrier
Quantity (no. and m)	400
DN (mm)	200 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / OSAKA GAS / NYK</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1592 - 153.000 m3 – LNG carrier
Quantity (no. and m)	400
DN (mm)	200 ÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / CPC</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1625 - 145.000 m3 – LNG carrier
Quantity (no. and m)	400
DN (mm)	150÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Kawasaki Heavy Ind. Ltd. Japan / CPC</b> water ballast system
No and type of Vessels	1 - Hull No. 22N1626 - 145.000 m3 – LNG carrier
Quantity (no. and m)	400
DN (mm)	150÷ 550
Pressure class (bar g)	6 Int – 3 Ext.
Customer / Shipowner Service	<b>Mitsubishi Heavy Ind. Ltd Japan / CPC</b> water ballast system
No and type of Vessels	1 – Hull No. 2241 - 145.000 m3 -LNG carrier
Quantity (no. and m)	400 m
DN (mm)	150÷ 550
Pressure class (bar g)	6 Int – 3,0 Ext.
Customer / Shipowner Service	<b>Mitsubishi Heavy Ind. Ltd Japan / CPC</b> water ballast system
No and type of Vessels	1 – Hull No. 2242 - 145.000 m3 -LNG carrier
Quantity (no. and m)	400 m
DN (mm)	150÷ 550
Pressure class (bar g)	6 Int – 3,0 Ext.
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Monfalcone / CARNIVAL LINES</b> MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6151 - cruise vessels
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷600
Pressure class (bar g)	6 bar
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Marghera / COSTA CROCIERE</b> MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6155 - cruise vessels
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner Service	<b>Fincantieri C.N.I. SpA Marghera / COSTA CROCIERE</b> MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6164 - cruise vessels
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷600
Pressure class (bar g)	6 bar



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**Year 2008**

Customer / Shipowner	<b>Mariotti / SEABOURN</b>
Service	water ballast system
No and type of Vessels	1 Hull No: 064 - cruise vessel
Quantity (no. and m)	200 m
DN (mm)	50÷ 150
Pressure class (bar g)	4 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / P &amp; O</b>
Service	MR-AZ-PI*
No and type of Vessels	1 Hull No: 6166 - cruise vessel
Quantity (no. and m)	400 m
DN (mm)	125÷700
Pressure class (bar g)	4 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Sestri / HOLLAND AMERICAN LINES</b>
Service	MR-MC-AZ-EV-PI*
No and type of Vessels	1 Hull No: 6181 - cruise vessel
Quantity (no. and m)	300 m
DN (mm)	125÷500
Pressure class (bar g)	4 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Palermo / INDIAN NAVY</b>
Service	AZ*
No and type of Vessels	1 Hull No: 6186 - fleet tanker
Quantity (no. and m)	250 m
DN (mm)	200, 250
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / CUNARD</b>
Service	MR*
No and type of Vessels	1 Hull No: 6187 - cruise vessel
Quantity (no. and m)	300 m
DN (mm)	125÷500
Pressure class (bar g)	4 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Marghera / COSTA</b>
Service	MR-AZ-PI-EV-MC*
No and type of Vessels	1 Hull No: 6188 - cruise vessel
Quantity (no. and m)	500 m
DN (mm)	125÷600
Pressure class (bar g)	4 bar

**Year 2009**

Customer / Shipowner	<b>TVK Shipyard</b>
Service	AZ* water ballast system
No and type of Vessels	2 Hull No: NB007 – 008 / 9000 DWT chemical carrier
Quantity (no. and m)	438
DN (mm)	150
Pressure class (bar g)	10 bar
Customer / Shipowner	<b>Brodosplit Brodogradiliste d.o.o.</b>
Service	AZ* water ballast system
No and type of Vessels	1 Hull No: 468 - ferry
Quantity (no. and m)	134
DN (mm)	150 - 250
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Ancona / C.I.P.</b>
Service	MR-MC*
No and type of Vessels	1 Hull No: 6192
Quantity (no. and m)	430 m
DN (mm)	125 ÷ 250
Pressure class (bar g)	6 bar



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**Year 2010**

Customer / Shipowner	<b>Fincantieri C.N.I. SpA Ancona / C.I.P.</b>
Service	MR-MC*
No and type of Vessels	1 Hull No: 6193
Quantity (no. and m)	430 m
DN (mm)	125 ÷ 250
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / CARNIVAL LINES</b>
Service	MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6167 - cruise vessels
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Sestri / INDIAN NAVY</b>
Service	AZ*
No and type of Vessels	1 Hull No: 6219 - fleet tanker
Quantity (no. and m)	250 m
DN (mm)	200, 250
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Ancona / C.I.P.</b>
Service	MR-MC*
No and type of Vessels	1 Hull No: 6193 - cruise vessel
Quantity (no. and m)	430 m
DN (mm)	125 ÷ 250
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Marghera / COSTA CROCIERE</b>
Service	MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6189 - cruise vessel
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / CARNIVAL LINES</b>
Service	MR-MC-PI-EV-AZ-FI*
No and type of Vessels	1 Hull No: 6201 - cruise vessel
Quantity (no. and m)	~ 1.000 m each vessel
DN (mm)	125 ÷ 600
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / PRINCESS CRUISES</b>
Service	MR-MC*
No and type of Vessels	1 Hull No: 6023 - cruise vessel
Quantity (no. and m)	400 m
DN (mm)	300 ÷ 500
Pressure class (bar g)	6 bar
Customer / Shipowner	<b>Fincantieri C.N.I. SpA Monfalcone / PRINCESS CRUISES</b>
Service	MR-MC*
No and type of Vessels	1 Hull No: 6024 - cruise vessel
Quantity (no. and m)	400 m
DN (mm)	300 ÷ 500
Pressure class (bar g)	6 bar

(\*) Service Legenda

MR: Main Cooling Water System

MC: Auxiliary Cooling Water System

PI: Discharge System

EV: Distilled Water – Evaporator Cooling System

AZ: Ballast System

FI: Sea Water Filter