



Pumps

Offshore reference list 2004-2011

<u>Customer</u>	<u>Project</u>	<u>Pump type</u>	<u>Design</u>	<u>Capacity/head</u>	<u>Application/Liquid</u>	<u>Material</u>	<u>End User</u>
Norsk Hydro	Sture	SMKo10x12x18L	API 610	600m ³ /h-60m	NOB crude oil booster pump	AISI 316	Norsk Hydro
Vetco Aibel	Sture	KSMK10x14x24E	API 610	656m ³ /h-126m	Seawater cooling for Oseberg blend	Super Duplex	Norsk Hydro
Vetco Aibel	Volve	SMK 6x8x15H	API 610	458m ³ /h-263m	Crude oil export pump	AISI 316	Maersk/StatoilHydro
		SMK 11/2x3x9	API 610	15m ³ /h-60m	LP condensate pump	AISI 316	Maersk/StatoilHydro
		SMK 11/2x3x9	API 610	10m ³ /h-76m	Flare transfer pump	AISI 316	Maersk/StatoilHydro
		SMK 4x6x8	API 610	222m ³ /h-52m	Heating medium pump	Carbon steel	Maersk/StatoilHydro
		KSMK 2x4x13H	API 610	103m ³ /h-340m	Produced water pump	Duplex	Maersk/StatoilHydro
		SMK 10x12x18L	API 610	536m ³ /h-75m	Crude oil booster pump	Duplex	Maersk/StatoilHydro
Vetco Aibel	Huldra	NCRhc 80/165	API 610	200m ³ /h – 44m	Hot sea water circ pump	Hastelloy C	Norsk Hydro
Vetco Aibel	Golfinho II	SMK 4x6x10HH	API 610	210m ³ /h-122m	Crude oil pump	Carbon steel	Petrobras
		SMK 8x8x9	API 610	360m ³ /h-79m	Crude oil pump	Carbon steel	Petrobras
		SMK 2x3x13	API 610	70m ³ /h-133m	Produced water pump	Carbon steel	Petrobras
		SMK 4x6x10HH	API 610	210m ³ /h-122m	Crude oil pump	Carbon steel	Petrobras
		SMK 2x3x8H	API 610	40m ³ /h-66m	LP condensate pump	Carbon steel	Petrobras
		SMK 2x3x8H	API 610	40m ³ /h-66m	HP Flare KO pump	Carbon steel	Petrobras
		SMK 4x6x10L	API 610	170m ³ /h-66m	Produced water pump	Duplex	Petrobras
Vetco Aibel	Ettrick	SMK 4x6x15	API 610	105m ³ /h-70m	Produced oil pump	CS/AISI 316	Bluewater
		SMK 11/2x2x8H	API 610	20m ³ /h-44m	Closed drain pump	AISI 316	Bluewater
		SMK 4x6x8L	API 610	45m ³ /h-61m	Degassed water pump	AISI 316	Bluewater
		SMK 2x3x8L	API 610	40m ³ /h-44m	HP Flare KO pump	AISI 316	Bluewater
		SMK 11/2x2x8H	API 610	20m ³ /h-44m	LP Flare KO pump	AISI 316	Bluewater
		NCRhx 32/250	API 610	8m ³ /h-100m	LP condensate pump	Duplex	Bluewater
		NCRhx32/210	API 610	3m ³ /h-66m	Produced water pump	Duplex	Bluewater
Vetco Aibel	Ettrick	Double diaphragm pumps	API 675		Anti foam pumps	AISI 316	Bluewater
		“	API 675		Scale inhibitor pumps	AISI 316	Bluewater
		“	API 675		Asphaltene inhibitor pumps	AISI 316	Bluewater
		“	API 675		H2S Scavenger pumps	AISI 316	Bluewater
		“	API 675		De-oiler pumps	AISI 316	Bluewater
		”	API 675		Biocide pumps	AISI 316	Bluewater
		”	API 675		Oxygen scavenger pumps	AISI 316	Bluewater
		Triplex plunger pump	API 674		Methanol injection pumps	Duplex	Bluewater



<u>CUSTOMER</u>	<u>PROJECT</u>	<u>Pump type</u>	<u>Design</u>	<u>Capacity/head</u>	<u>APPLICATION/Liquid</u>	<u>Material</u>	<u>END USER</u>
Vetco Aibel	Vincent	LH 1410-28	API 610	1030m ³ /h-48m	Crude oil pump	CS/AISI 316	Mærsk
		NCRhx32/210	API 610	99m ³ /h-139m	Produced water pump	CS/AISI 316	Mærsk
		SMK 3x4x8H	API 610	100m ³ /h-37m	Condensate pump	CS/AISI 316	Mærsk
		LH 1350-45	API 610	1750m ³ /h-57m	Cooling water pump	CS/AISI 316	Mærsk
		SMK 10x12x18	API 610	875m ³ /h-58m	Cooling water	CS/AISI 316	Mærsk
		SMK 2x3x8L	API 610	46m ³ /h-41m	Fresh water pump	CS/AISI 316	Mærsk
		NCRiHuh 80/320	API 610	33m ³ /h-53m	LP Flare pump	CS/AISI 316	Mærsk
		NCRiHuh 100/400	API 610	78m ³ /h-61m	HP Flare pump	CS/AISI 316	Mærsk
		SMK 3x3x60	API 610	66m ³ /h-32m	Hazardous open drain pump	Super Duplex	Mærsk
Vetco Aibel	Vincent	24 Double diaphragm pumps	API 674		Chemical injection skids	AISI 316	
		2 Triplex pumps	API 675		Methanol injection skid	Duplex	Mærsk
Vetco Aibel	Kollsnes	SMKo 6x8x12	API 610	281m ³ /h-41m	Condensate pump	Carbon steel	Statoil
Vetco Aibel	Kollsnes	2LP6SSAF120TLFAM C	API 674	2m ³ /h-190m	MEG pump	Duplex	Statoil
Aker Solution	Troll B	PRMhuh 50/250	API 685	32m ³ /h-26m	Methanol booster pump	Cast iron	StatoilHydro
Aker Solution	Kollsnes KOP	NCRhuh 200/500	API 610	613m ³ /h-78m	Hot oil circulation pump	Cast iron	StatoilHydro
Aker Solution	Kollsnes KOP	NCRhx 32/210	API 610	11,5m ³ /h-53m	Lean MEG pump	AISI 316L	StatoilHydro
Aker Solution	Kollsnes KOP	NCRhx 32/210	API 610	6,6m ³ /h-40m	Water pump	AISI 316L	StatoilHydro
Aker Solution	Kollsnes KOP	4 Mono pump skids (2 pumps each)		30m ³ /h-61m	Oily water pumps	AISI 316L	StatoilHydro
Aker Solution	Kollsnes KOP	6 Chemical inj. skids complete with tubing and instr.				AISI 316L	StatoilHydro
Alstom	Mongstad			0,05m ³ /h-1,5m	H2SO4 Dosing pumps	Hast C/Teflon	Statoil TCM
Wilhelmsen TS	Ekofisk	NCRhuh 80/320	API 610	96m ³ /h-42m	HVAC (Heat Recovery)	Carbon steel	Conoco Phillips
BW Offshore	BW Athena	SMKc 6x8x15H	API 610	200m ³ /h-60m	Slug catcher booster pump	Duplex	BW Offshore
Hyundai H.I.	Goliat FPSO	Chem.inj.package			Compl. chem. injection units	AISI316/S.Duplex	ENI Norge/Statoil



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