

REFERENCE LIST OF PUMPS INSTALLED

PUMP TYPE	QTY	LIQUID	SERVICE	TEMP °C	CAP m3/h	TDH m	SPEED rpm	POWER kw	CUSTOMER	END USER	PLANT SITE	PLANT
4 HED 16 DS	2	VACUUM RESIDUE FRO	VISBREAKER FEED PU	330	263.2	378	2950	332	ABB LUMMUS -THE HA	JOINT STOCK CO. TAIF	RUSSIA	NIZHNEKAMSK REFINE
4 HED 16	2	HYDROCARBONS	VACUUM RESIDUE	323	250	300	2950	244	KOCH-GLITSCH ITALI	NOVOPOLOCK	RUSSIA	NAPHTAN NOVOPOLOCK
3 HED 16 DS	2			0	0	0	1500	19	FLOWSERVE PUMP DIV- BRUNN	PARSONS/SHELL-SAKHALIN-RUSSIA	RUSSIA	SAKHALIN II - RUSSIA
3 HED 16 DS	2			0	0	0	1500	19	FLOWSERVE PUMP DIV- BRUNN	PARSONS/SHELL-SAKHALIN-RUSSIA	RUSSIA	SAKHALIN II - RUSSIA
4 HED 16 DS	2	butane+alkylate	reactor effluent pump	5	214	299	3000	185	FLOWSERVE PUMP DIVISION	RYAZAN PETROLEUM REFINING PLANT-RYAZAN	RUSSIA	RYAZAN REFINERY MODERNIZATION - RUSSIA
4 HED 16 DS	2	isobutane	deisobutanizer reflux pump	60	266	270	2950	185	FLOWSERVE PUMP DIVISION	RYAZAN PETROLEUM REFINING PLANT-RYAZAN	RUSSIA	RYAZAN REFINERY MODERNIZATION - RUSSIA
2 HED 16	2	lean amine	lean amine	55	67	311	3000	150	FLOWSERVE B.V.	KIRISHINEFTEORGSYNTEZ - RUSSIA	RUSSIA	KIRISHI HYDROCRACKER COMPLEX - RUSSIA
1.1/2 HED 13	2			0	0	0	3000	75	FLOWSERVE B.V.	KIRISHINEFTEORGSYNTEZ - RUSSIA	RUSSIA	KIRISHI HYDROCRACKER COMPLEX - RUSSIA