

Most important References of MOL®Technique

by MOL Katalysatortechnik – May 2019

Customer	Location		Period	Main Description	Scope of work	
						Details
Bayernoil Raffineriegesellschaft mbH	Neustadt (BTN)	DE	Since 2004	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit 	BTN	<ul style="list-style-type: none"> Circulation: 7 500 m³/h // COC: ~ 3.5 Cooling Power: 67 MW
	Vohburg (BTV)				BTV	<ul style="list-style-type: none"> Circulation: 3 500 m³/h // COC: ~ 3.5 Cooling Power: 57 MW
OAD Kasanorgsintez	Kazan	RU	Since 2008	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 		<ul style="list-style-type: none"> Volume: 7 500 m³ Circulation: 8 000 m³/h // COC: 1.3 till 2.8
OAD Gazprom Neft PJSC	Moskau	RU	Since 2015	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 	BOV-2	<ul style="list-style-type: none"> Volume: 8 000 m³ Circulation: 3 200 m³/h // COC: ~ 2.5
					BOV-5/1	<ul style="list-style-type: none"> Volume: 11 000 m³ Circulation: 3 500 m³/h // COC: ~ 2.5
					BOV-5/2	<ul style="list-style-type: none"> Volume: 4 000 m³ Circulation: 1 900 m³ // COC: ~ 2.5
	Omsk	RU	Since 2016	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 	BOV-10/2	<ul style="list-style-type: none"> Volume: 3 100 m³ Circulation: 600 m³/h // COC: ~ 2.5
OAD Rosneft	Rjasan	RU	Since 2013	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 	BOV-4/1	<ul style="list-style-type: none"> Volume: 7 400 m³ Circulation: 3 600 m³/h // COC: ~ 2.5
					BOV-4/2	<ul style="list-style-type: none"> Volume: 7 250 m³ Circulation: 3 600 m³/h // COC: ~ 2.5
OOO Lukoil Nizhegorodneftorgsintez	Kstovo	RU	Since 2014	<ul style="list-style-type: none"> Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 	BOV-1/2	<ul style="list-style-type: none"> Volume: 25 000 m³ Circulation: 15 500 m³/h // COC: ~ 2.5

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OOO LUKOIL Permnefterorgysntez	Perm	RU	Since 2009	<ul style="list-style-type: none"> ○ Water treatment of refinery cooling circuit (Business done together with AQUAMOL) 	BOV-1	<ul style="list-style-type: none"> ○ Volume: 1 800 m³ ○ Circulation: 4 000 m³/h //COC: ~ 2.0
					BOV-2	<ul style="list-style-type: none"> ○ Volume: 2 500 m³ ○ Circulation: 4 000 m³/h // COC: ~ 2.0
					BOV-6	<ul style="list-style-type: none"> ○ Volume: 12 500 m³ ○ Circulation: 2 800 m³/h // COC: 1.2 till 1.5
					BOV-6a	<ul style="list-style-type: none"> ○ Circulation: 2 800 m³/h // COC: 1.2 till 1.5 ○ ΔT: 5 till 7 K
					BOV-7	<ul style="list-style-type: none"> ○ Circulation: 2 900 m³/h // COC: 1.2 till 2.0 ○ ΔT: 5 till 7 K
					Tit. 526/1	<ul style="list-style-type: none"> ○ Circulation: 850 m³/h // COC: 1.2 till 2.3 ○ ΔT: 5 till 10 K
					Tit. 526/2	<ul style="list-style-type: none"> ○ Circulation: 1 100 m³/h // COC: 1.2 till 1.5 ○ ΔT: 5 till 10 K
					Tit. 313-13	<ul style="list-style-type: none"> ○ Circulation: 4 000 m³/h // COC: 2.0 till 3.0 ○ ΔT: 7 K
KNG Kraftwerks- und Netzgesellschaft mbH 550 MW power plant	Rostock	DE	Since 2005	<ul style="list-style-type: none"> ○ Water treatment of power plant cooling circuit 	<ul style="list-style-type: none"> ○ Volume: 20 000 m³ ○ COC: 2.5 till 3.0 (Water from Baltic Sea) 	
				<ul style="list-style-type: none"> ○ Once through treatment of water supply with seawater 	<ul style="list-style-type: none"> ○ Flow rate: 800 till 1 600 m³/h ○ Tank-Volume (installation point): ~ 500 m³ 	
1650 MW Power Plant	Germany	DE	Since 2018	<ul style="list-style-type: none"> ○ Water treatment of power plant cooling circuit 	<ul style="list-style-type: none"> ○ Volume: 40 000 m³ ○ COC: 2.0 till 4.0 (River water) 	
900 MW Power Plant	Germany	DE	Since 2018	<ul style="list-style-type: none"> ○ Water treatment of power plant cooling circuit 	<ul style="list-style-type: none"> ○ Volume: 20 000 m³ ○ COC: ~ 4.0 (River water) 	
240 MW Power Plant	Germany	DE	Since 2017	<ul style="list-style-type: none"> ○ Water treatment of power plant cooling circuit 	<ul style="list-style-type: none"> ○ Volume: 3 250 m³ ○ COC: ~ 4.0 (River water) 	
80 MW Power Plant	Germany	DE	Since 2017	<ul style="list-style-type: none"> ○ Water treatment of power plant cooling circuit 	<ul style="list-style-type: none"> ○ Volume: 2 000 m³ ○ COC: 1.6 till 1.7 (River water) 	

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CLARIANT Masterbatch GmbH & Co. OHG	Ahrensburg Frankfurt a.M. Lahnstein + other places	DE	Since 2005	○ Water treatment of industrial cooling circuit	○ Different systems with circulation up to 1 000 m ³ /h
				○ Once through treatment of water supply with surface water	○ Flow rate: 230 till 300 m ³ /h ○ Tank-Volume (installation point): ~ 0.2 m ³
				○ Fouling prevention at reverse osmosis	○ Flow rate: 500 m ³ /h ○ Tank-Volume (installation point): ~ 10 m ³
Volkswagen AG	DE, ES, BE, SK, MX		Since 2012	○ Water treatment of industrial cooling circuits	○ Water loops @ welding robots with circulation up to 80 m ³ /h
				○ Water treatment of painting lines	○ Clear water tanks after boderizing Volume 20 till 90 m ³
				○ Treatment of RO-permeate	○ Flow rates up to 15 m ³ /h
Resellers	BE, DE, FR, NL, RU		Since 2010	<ul style="list-style-type: none"> ○ Water treatment of industrial cooling circuit ○ Once through treatment of water supply with surface water ○ Fouling prevention at reverse osmosis ○ Minimizing deposits troubles on tap water supplying systems 	<ul style="list-style-type: none"> ○ Tap water treatment & domestic applications ○ Projects at cooling loops and Membranes-Systems e.g. PROFERRO / INESCO ○ Cell cooling towers of data centers ○ Extruder loops ○ Public swimming pools (e.g. Hofbad) ○ Water treatment @ humidifiers ○ Agriculture applications ○ Water treatment @ poultry farming
FOOD INDUSTRY	DE, LT, AT, CZ, FR, BR, ES		Since 2014	○ Fouling prevention @ Autoclave processes	○ Pet Food industry
				○ Cooling circuits	○ Dairy industry // Confectionery applications ○ Sugar production
	BE, DE		Since 2017	○ Process Water	○ Make-up water supply @ food production ○ Bottle washing machine
				○ 25 MW - Cooling circuit	○ Volume ~ 320 m ³ ○ COC: ~ 2.0 (Condensate from sugar production)