

Pumping Solutions for the Oil & Gas Industry



Most reliable **pump units** and top pump performance



Built by experts

- Over 120 years of experience and know-how
- Conservative pump selection
- Pump design subject to process experience and project specifications
- In-house manufacturing of all key parts
- Precise machining via CNC
- Assembling by trained and experienced staff
- Functional test of all components
- Performance test up to 1000 kW
- Made in Germany

Built for extreme conditions

- Designed for arctic, desert or offshore conditions
- Available for fluid temperatures up to 350°C
- Available with stuffing box barrier system
- Leakage handling for non-neutral fluids against emission to atmosphere and minimized pollution
- Topside down or conventional valve arrangement to operate slurry
- Stuffing box design to operate suspension fluids





High quality components to minimize operation and maintenance costs.

Quality has first priority, and URACA's quality assurance system according to DIN EN ISO 9001:2008 is the guideline for all supplied equipment.

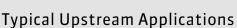
Developed for the future

- Economic and long lasting operation between service intervals
- Maximum performance and high lifetimes
- Easy revamps and upgrades in case of changed process conditions
- Spare parts supply guaranteed for decades



URACA – High Pressure Competence





- Methanol injection
- Produced water injection
- MEG/TEG injection
- Sea water injection
- Hydraulic fracturing
- Oil well service

URACA has extensive experience related to injection units for onshore and offshore applications. Materials of construction are selected to meet fluid and process conditions. Components and units are shop assembled and string tested before shipment.



Typical Downstream Applications

- Wash water injection into cracker process
- Refining residue feed into IGCC process
- Coal slurry feed into liquefaction process

URACA supplies tailor made 3 or 5 plunger pump units of the heavy duty Px and KD series for bitumen, refinery residues or coal slurry.

For pumping non-lubricating fluids such as methanol and liquefied gases, URACA supplies diaphragm pump units of the MP series. The pumped fluid is conveyed by a hydraulically actuated multi-layer PTFE diaphragm. This allows to run leak-free, hermetically sealed from the environment and the power end mechanism.



Hydrostatic Pressure Test Applications

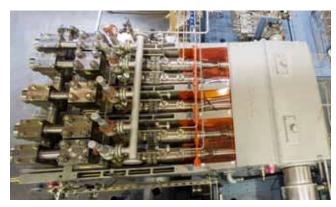
- Oil well components
- Oil well heads
- Pipelines

Test pumps with diesel engine drive are successfully used for hydrostatic pressure tests on gas pipelines and well head components. Units are supplied either with oil field skids or installed into container.

Powerful pump units for professional use

Heavy duty continuous operation

- Use of sleeve bearings for endless life
- _ AGMA 6010 and/or API 677 gear box design
- Maintenance free pulsation dampers
- Standby auxiliary equipment for high reliability
- Instrumentation for remote control and unmanned operation



P5-96 operating coal slurry in the coal liquefaction process.



URACA Pump Range

Process pump units in 3 or 5 plunger design. Process diaphragm pump units in 3 plunger design for O&G applications.



P series

Type	Pressure [bar]	Flow r [l/min		•	Туре	Pressure [bar]	Flow r [l/min		Type	F [
		min.	max.				min.	max.		
	195	55	640			150	185	1605		
P3-70	220	49	570	ا	P3-80	175	157	1360	P3-96	
	250	43	500			210	131	1135		
	280	38	438			255	107	930		
	325	33	378			315	86	745		
	375	28	322			400	66	575		
	420	25	287			450	61	535		
	525	21	240			520	53	462		
	630	17	196			600	45	395		
	780	13.5	157			700	38	334		
	1000	10.5	122			840	32	278		
	1200	7.9	92			1020	26	226		
	195	92	1070			150	309	2680		
P5-70	220	81	950	ı	P5-80	175	262	2270	P5-96	
	250	72	835			210	218	1895		
	280	63	730			255	178	1550		
	325	54	630			315	143	1240		
	375	46	535			400	110	960		
	440	41	478			450	103	890		
	525	34	399			520	89	770		
	630	28	327			600	76	660		
	780	23	262			700	64	555		
	1000	18	203			840	54	463		
	1200	12.9	151			1020	44	377		

Type	Pressure [bar]	Flow r		
		min.	max.	
	130	826	3306	
P3-96	160	664	2658	
	205	520	2082	
	230	454	1818	
	265	393	1572	
	310	336	1344	
	360	283	1134	
	430	248	993	
	520	204	816	
	650	165	660	
	845	130	521	
	930	115	458	
	130	1377	5490	
P5-96	160	1107	4430	
	205	867	3470	
	230	757	3030	
	265	655	2620	
	310	560	2240	
	360	472	1890	
	430	413	1655	
	520	340	1360	
	650	272	1090	
	815	213	850	
	930	185	740	

Complete pump charts see individual pump type leaflets.





KD series

Type	Pressure [bar]	Flow rate [l/min]	
		min.	max.
	165	64	713
KD626	205	50	557
	270	38	419
	315	32	min. max. 64 713 50 557 38 419 32 354 28 312 23 258 19 210 15 164 11 126 160 1315 132 1095 108 900 87 720 67 560 58 486 53 445 46 381 35 323 32 268
	370	[/min min. max min. m	312
	440	23	258
	530	19	210
	660	15	164
	800	11	126
	160	160	1315
KD629	195	132	1095
	235	108	900
	290	87	/min] iin. max. 4 713 0 557 8 419 2 354 8 312 3 258 9 210 6 164 1 126 60 1315 32 1095 08 900 7 720 7 560 8 486 3 445 6 381 5 323 2 268
	370	67	560
	420	58	486
	480	53	445
	560	46	381
	655	35	323
	780	32	268
	945	26	219

Type	Pressure [bar]	Flow [l/mir	
		min.	max.
	150	20	164
KD719	180	16	132
	230	12.5	103
	300	9.9	81
	360	8.2	67
	470	6.2	51
	600	4.9	41
	750	3.8	31
	900	2.7	22
	150	33	415
KD724	170	29	360
	200	25	309
	230	21	261
	275	17	218
	330	14	178
	400	11	142
	520	9.2	117
	675	7	89
	800	5.8	73
	1050	4.3	55

Type	Pressure [bar]	Flow rate [l/min]			
		min.	max.		
	160	100	745		
KD822	200	75	580		
	270	60	440		
	360	42	320		
	530	30	220		
	165	165	1100		
KD823	205	145	960		
	260	115	770		
	420	70	460		
	570	50	330		
	165	345	1480		
KD825	225	250	1080		
	270	215	910		
	410	140	600		
	520	110	470		
	205	530	1900		
KD827	230	470	1700		
	305	364	1300		
	425	275	920		
	520	210	760		

MP series

Type	Pressure [bar]	Flow rate [l/min]			
		min.	max.		
	130	7	50		
MP708	185	5	35		
	250	4	25		
	350	3	17		
	110	17	110		
MP719	160	12	75		
	230	8	50		
	330	6	32		
	115	41	250		
MP724	170	27	165		
	230	20	120		
	330	13	79		
	130	77	430		
MP626	180	55	290		
	270	38	200		
	350	28	135		
	160	150	840		
MP629	230	105	580		
	325	70	390		
	350	47	260		

Features	KD600	KD700	KD800	Px-70	Px-80	Px-96	MPx
3 plunger design							
5 plunger design							
Separate gear box							
Integrated gear box							
Crankshaft roller bearings							
Crankshaft sleeve bearings							
API lube oil system on request							
AGMA gear box on request							
Maintenance free pulsation dampers							
Stuffing box and valve design, individually matching to fluid handled							
Splitted power end casing							



URACA – professional **high pressure** system supplier

