

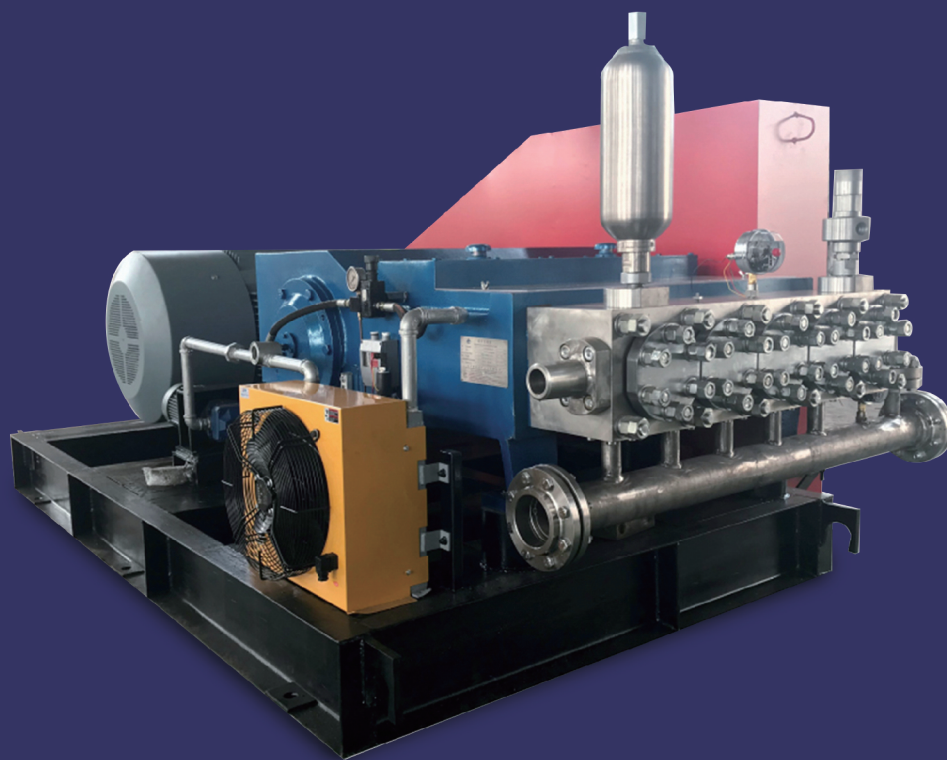
能源 | 工业 | 化工 | 采矿 | 造纸 | 食品 | 医药 | 冶金 | 建筑 | 市政



— YLPT —

Since 1990

CO<sub>2</sub>注入泵, CO<sub>2</sub>超临界萃取泵  
CO<sub>2</sub> Injection Pumps & CO<sub>2</sub> Supercritical Extraction Pumps



南京雅珑石化装备有限公司

Nanjing Yalong Petrochemical Equipment Technology Co.,LTD.

# T\*RC/ Q\*RC 系列 CO<sub>2</sub> 超临界萃取泵 CO<sub>2</sub> Supercritical Extraction Pumps

E-MAIL: sales@jspump.cn TEL: +86-25-86166871 MOBIL: +86-13951858681

T\*RC/ Q\*RC 系列 CO<sub>2</sub> 超临界泵: 最高压力 120MPa, 具有国家专利和部级科技进步二等奖, 技术先进、结构紧凑、效率高、噪声小、气锁系数低、操作维修方便、性能可靠等特点。各项性能指标达到国际领先水平, 广泛应用于医疗食品行业的 CO<sub>2</sub> 超临界萃; 塑胶行业气凝胶生产; 超临界换热发电、超临界 CO<sub>2</sub> 印染工艺之中。

采用卧式三柱塞和五柱塞形式, 柱塞材料有不锈钢喷焊合金、和纯陶瓷柱塞, 耐磨耐用, 卫生可靠; 泵液力端自带冷却系统。

T\*RC/ Q\*RC Series Supercritical CO<sub>2</sub> Pumps: The Max.pressure 120 MPa, with national patents and scientific and technological progress second prize, has the feature of advanced technology, compact structure, high efficiency, low noise, low coefficient of air lock, easy operation and maintenance; Its performance has reached domestic leading level. Such pumps are Widely used in the medical food industry CO<sub>2</sub> supercritical extraction, plastic industry, aerogel production, printing and dyeing industry in supercritical CO<sub>2</sub> dyeing process

It using horizontal 3 plungers and 5 plungers form. Plunger material stainless steel spray colmonoy alloy, and pure ceramic plunger, wear durable, reliable health; pump fluid end comes with cooling system.

型号 Model	排出压力 Max. Pressure (Mpa)	实际流量 Capacity		电机 Motor Power (Kw)	
		L/min	m <sup>3</sup> /h		
T5RC-0.05/20	20	0.83	0.05	0.55	
T5RC-0.10/20		1.69	0.1	0.75	
T5RC-0.12/20		2.01	0.12	1.1	
T5RC-0.15/20		2.52	0.15	1.1	
T9RC-0.20/20		3.37	0.2	1.5	
T9RC-0.30/20		5.09	0.31	2.2	
T9RC-0.40/20		6.73	0.4	3	
T14RC-0.60/20		10.11	0.61	5.5	
T22RC-1/20		16.81	1.01	7.5	
T40RC-2/20		33.58	2.01	15	
T75RC-3/20		50.42	3.03	22	
T90RC-5/20		87.36	5.24	37	
T150RC-8/20		135.31	8.12	55	
T175RC-10/20		168.59	10.12	75	
T175RC-12/20		201.62	12.1	90	
Q290RC-15/20		251.78	15.11	110	
T5RC-0.05/32		32	0.85	0.05	0.75
T5RC-0.1/32			1.69	0.1	1.5
T9RC-0.12/32			2.02	0.12	1.5
T9RC-0.15/32			2.53	0.15	2.2
T9RC-0.2/32	3.38		0.2	3	
T14RC-0.3/32	5.06		0.3	4	
T14RC-0.4/32	6.73		0.4	5.5	
T14RC-0.6/32	10.14		0.61	7.5	
T40RC-1/32	16.84		1.01	15	
T75RC-2/32	33.55		2.01	30	
T90RC-3/32	50.51		3.03	37	
T150RC-5/32	84.28		5.06	75	
T175RC-8/32	134.37		8.06	110	
Q400RC-10/32	168.43		10.11	132	
Q400RC-12/32	201.39		12.08	160	
Q495RC-15/32	253.77		15.23	185	
T5RC-0.05/40	40		0.84	0.05	1.1
T9RC-0.1/40			1.67	0.1	2.2
T9RC-0.12/40			2.02	0.12	2.2
T9RC-0.15/40			2.53	0.15	3
T9RC-0.20/40		3.36	0.2	4	
T14RC-0.3/40		5.07	0.3	5.5	
T22RC-0.4/40		6.74	0.4	5.5	

型号 Model	排出压力 Max. Pressure (Mpa)	实际流量 Capacity		电机 Motor Power (Kw)	
		L/min	m <sup>3</sup> /h		
T22RC-0.6/40	40	10.08	0.6	11	
T40RC-1/40		16.68	1	18.5	
T75RC-2/40		33.49	2.01	37	
T138RC-3/40		50.5	3.03	55	
T175RC-5/40		84.27	5.06	90	
Q400RC-8/40		134.51	8.07	132	
Q400RC-10/40		167.61	10.06	160	
Q495RC-12/40		201.27	12.08	200	
Q495RC-15/40		251.59	15.1	250	
T5RC-0.05/50		50	0.84	0.05	1.1
T9RC-0.1/50			1.68	0.1	2.2
T9RC-0.12/50			2.02	0.12	3
T9RC-0.15/50	2.52		0.15	4	
T14RC-0.20/50	3.38		0.2	5.5	
T22RC-0.3/50	5.04		0.3	7.5	
T22RC-0.4/50	6.7		0.4	11	
T40RC-0.6/50	10.06		0.6	15	
T75RC-1/50	16.82		1.01	22	
T90RC-2/50	33.59		2.02	45	
T150RC-3/50	50.38		3.02	75	
Q290RC-5/50	83.95		5.04	110	
Q400RC-8/50	134.18		8.05	185	
Q495RC-10/50	167.64		10.06	220	
Q495RC-12/50	201.21		12.07	280	
Q550RC-15/50	251.15		15.07	315	
T9RC-0.05/80	80		0.96	0.06	3
T14RC-0.1/80			1.67	0.1	4
T14RC-0.12/80		2.03	0.12	5.5	
T22RC-0.15/80		2.53	0.15	7.5	
T22RC-0.20/80		3.37	0.2	11	
T40RC-0.3/80		5.05	0.3	15	
T50RC-0.4/80		6.71	0.4	18.5	
T75RC-0.6/80		10.09	0.61	30	
T138RC-1/80		16.83	1.01	45	
T14RC-0.05/100		110	0.85	0.05	4
T22RC-0.1/100			1.7	0.1	7.5
T2RC-0.12/100			2.01	0.12	7.5
T40RC-0.15/100	2.54		0.15	11	
T40RC-0.20/100	3.38		0.2	15	
T75RC-0.3/100	5.06		0.3	18.5	
T75RC-0.4/100	6.78		0.41	30	
T138RC-0.6/100	10.13		0.61	37	
Q290RC-1/100	16.9		1.01	75	

超临界 CO<sub>2</sub> 的进口压力要求: 4—7MPa  
The Suction pressure of Supercritical Pumps :4--7MPa.

## T\* RC、Q\*RC 系列 CO<sub>2</sub> 注入泵 T\*RC,Q\*RC Series CO<sub>2</sub> Injection pump

T\* RC、Q\*RC系列液态CO<sub>2</sub>注入、输送泵;系列CO<sub>2</sub>超临界萃取泵:最大输出压120MPa,具有最新国家发明专利和部级科技进步二等奖,技术先进、结构紧凑、效率高、噪声小、气锁系数低、操作维修方便、性能可靠等特点,各项性能指标达到国内领先水平,广泛用于油田采油CO<sub>2</sub>注入工艺、液态CO<sub>2</sub>的输送、超临界CO<sub>2</sub>余热发电\循环换热\CO<sub>2</sub>超临界萃取,超临界CO<sub>2</sub>无水印染工艺之中。

采用卧式三柱塞和五柱塞形式,柱塞材料有不锈钢喷焊合金、喷焊陶瓷柱塞和纯陶瓷柱塞,耐磨耐用,卫生可靠;超临界萃取泵液力端自带冷却系统。

T\*RC,Q\*RC Series CO<sub>2</sub> Injection pump,CO<sub>2</sub> transfer pump; CO<sub>2</sub> Supercritical Extraction Pumps: The Max. discharge pressure 120 MPa, with national patents and scientific and technological progress second prize,has the feature of advanced technology, compact structure, high efficiency, low noise, low coefficient of air lock, easy operation and maintenance, and reliable performance characteristics.Its performance has reached domestic leading level. Such pumps are widely used in oilfield CO<sub>2</sub> injection process, the liquid CO<sub>2</sub> transport, supercritical CO<sub>2</sub> extraction process, Supercritical CO<sub>2</sub> fluid circulation heat exchange (S-CO<sub>2</sub>, Breton circulation), supercritical CO<sub>2</sub> waste heat power generation, supercritical waterless printing and dyeing.

It using horizontal Triplex pumps and Quintuplex pumps form. Plunger material stainless steel spray colmony alloy , and pure ceramic plunger , wear durable,

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
T9RC	80	3	0.2	11
		2	0.1	7.5
		2	0.1	5.5
	60	4	0.2	11
		3	0.2	7.5
		2	0.1	5.5
	50	5	0.3	11
		4	0.2	7.5
		3	0.2	5.5
	40	6	0.4	11
		5	0.3	7.5
		4	0.2	5.5
	32	8	0.5	11
		6	0.4	7.5
		4	0.3	5.5
	25	10	0.6	11
		8	0.5	7.5
		5	0.3	5.5
	20	13	0.8	11
		10	0.6	7.5
		7	0.4	5.5
16	15	0.9	11	
	12	0.7	7.5	
	8	0.5	5.5	
T14RC	80	4	0.2	7.5
		3	0.2	5.5
		2	0.1	3
	60	7	0.4	11
		5	0.3	7.5
		4	0.2	5.5
	50	7	0.4	7.5
		6	0.3	5.5
		4	0.2	4
	40	9	0.6	7.5
		7	0.4	5.5
		5	0.3	4
31.5	12	0.7	11	
	10	0.6	7.5	

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
T14RC	31.5	7	0.4	5.5
		15	0.9	7.5
	25	11	0.7	5.5
		8	0.5	4
	20	19	1.1	7.5
		14	0.9	5.5
		10	0.6	4
	16	24	1.5	11
		19	1.1	7.5
		14	0.8	5.5
10		0.6	4	
T22RC	80	7	0.4	15
		5	0.3	11
		3	0.2	5.5
	60	12	0.7	15
		10	0.6	11
		7	0.4	11
	40	19	1.1	15
		14	0.9	11
		10	0.6	11
	31.5	23	1.4	15
		18	1.1	11
		13	0.8	11
		29	1.8	15
		23	1.4	11
		16	1	11
	20	37	2.2	15
		29	1.7	11
		20	1.2	11
16	45	2.7	15	
	35	2.1	11	
	25	1.5	11	

注入泵进口压力 :1.5-4Mpa; 萃取泵进口压力 :4-8MPa.

Injection pump inlet pressure: 1.5-4MPa; Extraction pump inlet pressure: 4-8MPa.

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)	
		(L/min)	(m <sup>3</sup> /h)		
T50RC	120	10	0.6	30	
		8	0.5	18.5	
		6	0.3	15	
	100	11	0.7	22	
		9	0.5	18.5	
		6	0.4	15	
	80	14	0.9	22	
		11	0.7	18.5	
		8	0.5	15	
	60	20	1.2	30	
		15	0.9	18.5	
		11	0.7	15	
	50	24	1.4	30	
		18	1.1	18.5	
		13	0.8	15	
	40	30	1.8	30	
		23	1.4	18.5	
		17	1.0	15	
	32	37	2.2	30	
		29	1.7	18.5	
		21	1.2	15	
	25	48	2.9	30	
		38	2.3	18.5	
		27	1.6	15	
20	61	3.7	30		
	47	2.8	18.5		
	34	2.0	15		
T75RC	120	15	0.9	37	
		11	0.6	30	
		6	0.4	15	
	100	18	1.1	37	
		13	0.8	30	
		8	0.5	15	
	80	21	1.3	37	
		15	0.9	30	
		9	0.5	15	
	60	37	2.2	45	
		29	1.7	37	
		21	1.2	30	
50	46	2.7	45		
	36	2.1	37		
	25	1.5	30		
T100RC	40	55	3.3	45	
		43	2.6	37	
		31	1.8	30	
	30	76	4.6	45	
		59	3.6	37	
		42	2.5	30	
	20	115	6.9	45	
		89	5.3	37	
		64	3.8	30	
	16	144	8.7	45	
		112	6.7	37	
		80	4.8	30	
	T75RC	120	20	1.2	55
			14	0.8	37
			9	0.6	22
		100	24	1.4	55
			17	1.0	37
			11	0.7	22
80		28	1.7	45	
		20	1.2	37	
		14	0.8	22	
60		50	3.0	75	
		39	2.3	45	
		28	1.7	37	
50	61	3.7	75		
	48	2.9	55		
	34	2.0	37		
40	74	4.4	75		
	57	3.4	45		
	41	2.5	37		
32	92	5.5	75		
	71	4.3	45		
	51	3.1	37		
25	123	7.4	75		
	96	5.7	55		
	68	4.1	37		
20	153	9.2	75		
	119	7.1	55		
	85	5.1	37		
16	192	11.5	75		
	150	9.0	55		
	107	6.4	37		

注入泵进口压力 :1.5-4Mpa; 萃取泵进口压力 :4-8MPa. Injection pump inlet pressure: 1.5-4MPa; Extraction pump inlet pressure: 4-8MPa.

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m3/h)	
T100RC	13	237	14.2	75
		184	11.0	55
		131	7.9	37
T150RC	120	27	1.6	75
		19	1.2	45
		13	0.8	30
	100	32	1.9	75
		23	1.4	45
		15	0.9	30
	80	42	2.5	75
		30	1.8	55
		20	1.2	37
	60	70	4.2	90
		54	3.3	75
		39	2.3	55
	50	87	5.2	90
		68	4.1	75
		48	2.9	55
	40	107	6.4	90
		83	5.0	75
		59	3.6	55
	32	133	8.0	90
		104	6.2	75
		74	4.4	55
	25	170	10.2	90
		132	7.9	75
		94	5.7	55
	20	217	13.0	90
		169	10.1	75
		121	7.2	55
	16	271	16.3	90
		211	12.7	75
		151	9.0	55
T175RC	120	35	2.1	90
		25	1.5	75
		15	0.9	37
	100	44	2.6	90
		31	1.9	75
		19	1.1	37
	80	53	3.2	90
		38	2.3	75
		23	1.4	37

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m3/h)	
T175RC	60	91	5.5	110
		71	4.3	90
		51	3.0	75
	50	112	6.7	110
		87	5.2	90
		62	3.7	75
	40	135	8.1	110
		105	6.3	90
		75	4.5	75
	32	174	10.4	110
		135	8.1	90
		96	5.8	75
	25	225	13.5	110
		175	10.5	90
		125	7.5	75
	20	273	16.4	110
		213	12.8	90
		152	9.1	75
16	346	20.8	110	
	269	16.2	90	
	192	11.5	75	
13	427	25.6	110	
	332	19.9	90	
	237	14.2	75	
T210RC	120	42	2.5	110
		30	1.8	75
		20	1.2	55
	100	51	3.0	110
		36	2.2	75
		24	1.4	55
	80	64	3.8	110
		46	2.7	75
		31	1.8	55
	60	107	6.4	132
		83	5.0	110
		59	3.6	90
	50	129	7.7	132
		100	6.0	110
		72	4.3	75
	40	165	9.9	132
		129	7.7	110
		92	5.5	75

注入泵进口压力 :1.5-4Mpa; 萃取泵进口压力 :4-8MPa. Injection pump inlet pressure: 1.5-4MPa; Extraction pump inlet pressure: 4-8MPa.

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
T210RC	32	207	12.4	132
		161	9.6	110
		115	6.9	75
	25	260	15.6	132
		203	12.2	110
		145	8.7	75
	20	330	19.8	132
		256	15.4	110
		183	11.0	75
	16	407	24.4	132
		317	19.0	110
		226	13.6	75
Q290RC	120	50	3.0	132
		35	2.1	90
		24	1.4	75
	100	58	3.5	132
		41	2.5	90
		27	1.6	55
	80	70	4.2	132
		50	3.0	90
		34	2.0	55
	60	122	7.3	160
		95	5.7	132
		68	4.1	90
	50	151	9.1	160
		117	7.0	132
		84	5.0	90
	40	183	11.0	160
		142	8.5	132
		101	6.1	90
	32	236	14.1	160
		183	11.0	132
		131	7.9	90
	25	296	17.7	160
		230	13.8	132
		164	9.9	90
20	374	22.5	160	
	291	17.5	132	
	208	12.5	90	
16	462	27.7	160	
	359	21.6	132	
	257	15.4	90	

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
Q400RC	120	74	4.5	185
		53	3.2	132
		35	2.1	90
	100	91	5.5	185
		65	3.9	132
		43	2.6	90
	80	116	7.0	185
		83	5.0	132
		55	3.3	90
	60	195	11.7	250
		152	9.1	185
		108	6.5	132
	50	236	14.2	250
		184	11.0	185
		131	7.9	132
	40	305	18.3	250
		237	14.2	200
		169	10.2	160
	32	369	22.1	250
		287	17.2	185
		205	12.3	132
	25	484	29.0	250
		376	22.6	200
		269	16.1	132
20	597	35.8	250	
	464	27.9	185	
	332	19.9	132	
16	741	44.5	250	
	577	34.6	185	
	412	24.7	132	
Q495RC	120	114	6.8	280
		81	4.9	200
		54	3.3	132
	100	136	8.1	280
		97	5.8	200
		65	3.9	132
	80	167	10.0	280
		120	7.2	200
		80	4.8	132
	60	285	17.1	355
		222	13.3	280
		158	9.5	200

注入泵进口压力 :1.5-4Mpa; 萃取泵进口压力 :4-8MPa. Injection pump inlet pressure: 1.5-4MPa; Extraction pump inlet pressure: 4-8MPa.

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
Q495RC	50	350	21.0	255
		272	16.3	280
		194	11.7	200
	40	437	26.2	355
		340	20.4	280
		243	14.6	200
	32	551	33.1	355
		429	25.7	280
		306	18.4	200
	25	698	41.9	355
		543	32.6	280
		388	23.3	200
	20	883	53.0	355
		687	41.2	280
		491	29.4	200
	16	1090	65.4	355
		848	50.9	280
		606	36.3	200
Q680RC	120	168	10.1	400
		126	7.6	315
		84	5.0	200
	100	209	12.5	450
		157	9.4	315
		104	6.3	220
	80	254	15.2	400
		191	11.4	315
		127	7.6	200
	60	446	26.8	560
		361	21.6	450
		258	15.5	215
	50	540	32.4	560
		436	26.2	450
		312	18.7	315
	40	665	39.9	560
		537	32.2	450
		383	23.0	315
32	850	51.0	560	
	687	41.2	450	
	491	29.4	315	
25	1087	65.2	560	
	878	52.7	450	
	627	37.6	315	

型号 Model	排出压力 Max. Pressure (Mpa)	理论流量 Theoretical capacity		电机功率 Motor Power (Kw)
		(L/min)	(m <sup>3</sup> /h)	
Q680RC	20	1352	81.1	560
		1092	65.5	450
		780	46.8	315
	16	1680	100.8	560
		1357	81.4	450
		969	58.2	315
Q865RC	120	220	13.2	560
		165	9.9	400
		110	6.6	280
	100	254	15.2	500
		191	11.4	400
		127	7.6	250
	80	330	19.8	560
		247	14.8	400
		165	9.9	280
	60	560	33.6	710
		452	27.1	560
		323	19.4	400
	50	686	41.2	710
		554	33.3	560
		396	23.8	400
	40	850	51.0	710
		687	41.2	560
		491	29.4	400
32	1059	63.5	710	
	855	51.3	560	
	611	36.7	400	
25	1352	81.1	710	
	1092	65.5	560	
	780	46.8	400	
20	1680	100.8	710	
	1357	81.4	560	
	969	58.2	400	
16	2122	127.3	710	
	1714	102.8	560	
	1224	73.4	400	

注入泵进口压力 :1.5-4Mpa; 萃取泵进口压力 :4-8MPa. Injection pump inlet pressure: 1.5-4MPa; Extraction pump inlet pressure: 4-8MPa.



官方网址

## 南京雅珑石化装备有限公司

Nanjing Yalong Petrochemical Equipment Technology Co.,LTD.

+86-25-86166871

+86-25-86166830

+86-13951858681

[www.jspump.cn](http://www.jspump.cn)

[sales@jspump.cn](mailto:sales@jspump.cn)

江苏省南京市淳化工业园雁冲路70号

△ 本公司产品技术结构不断优化, 最终产品以当时设计为准!