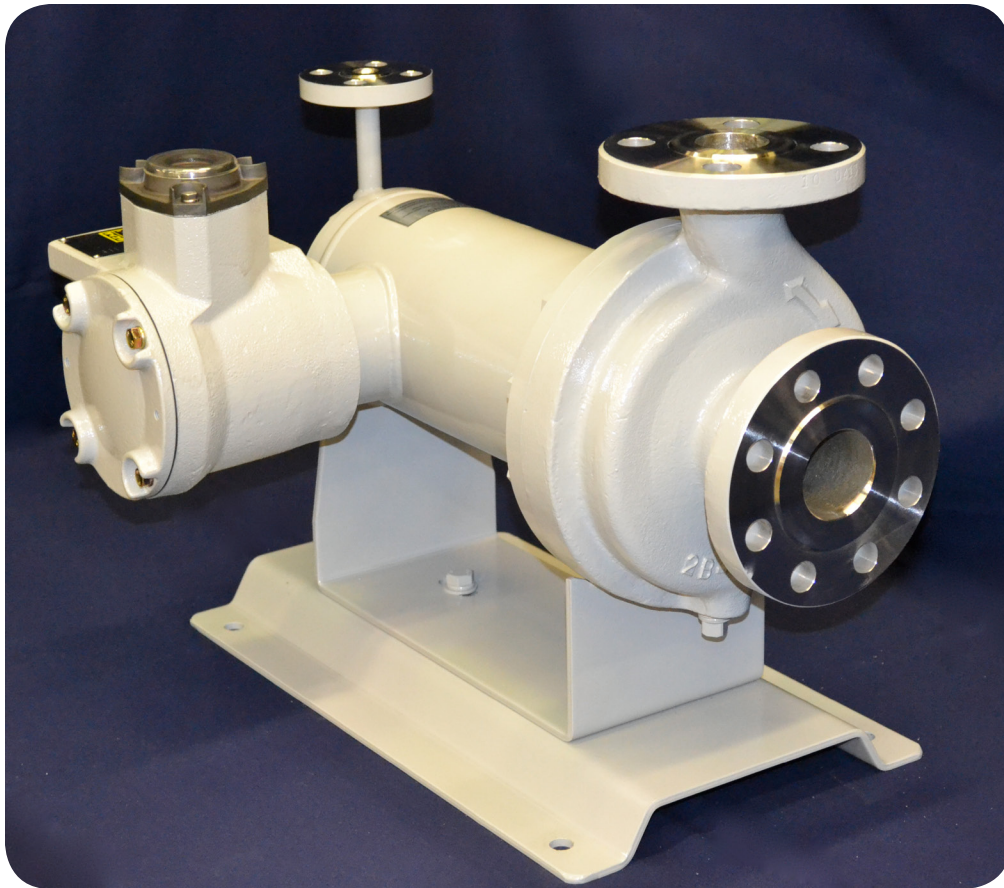




The Ultimate Refrigeration Pump



*The Canned Motor Pump Solution for
Safe, Leak-free NH₃ and CO₂ Pumping*

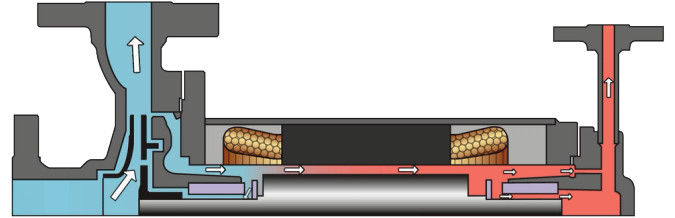
Safety from the Start

Teikoku, the world's largest manufacturer and supplier of canned motor pumps, has revolutionized the ammonia refrigeration market to an unparalleled level of safety by offering leak-free solutions for handling NH₃. Teikoku's sealless design ensures leak-free operation with no need for alignment and no threat of personnel exposure to harmful chemicals. This compact design features stainless steel construction, ANSI 300# flanges and a precision electronic bearing wear monitor. Perfect for low NPSH_R ammonia applications, Plan 13-SE reverse circulated solutions offer users both safety and success.



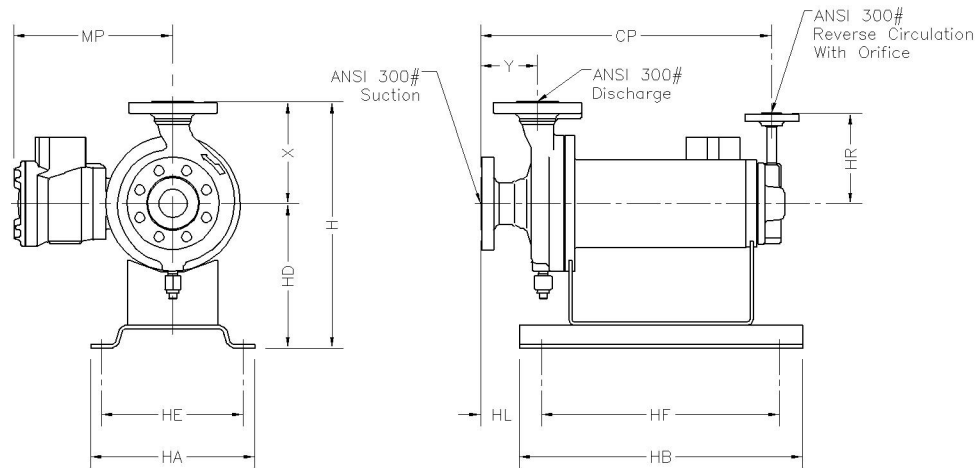
Benefits of Teikoku's Ammonia Pump:

- Leakproof
- Low cost
- Easier installation
- Bearing Wear Monitor
- Field Repairable



Plan 13-SE

Common Dimensions



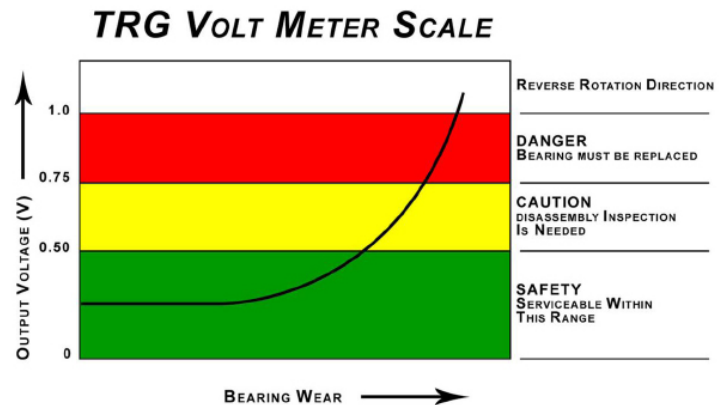
Model	Size	CP	HB	HF	HL	HR	HA	HE	H	HD	X	Y	MP	Weight
119-0204R1	1 x 1.5 - 5	15.67"	11.02"	8.66"	4.84"	6.02"	8.66"	7.48"	14.17"	7.87"	6.30"	3.15"	10.55"	140
119-0405R1	1.5 x 2 - 5	16.69"	11.02"	8.66"	5.91"	6.02"	8.66"	7.48"	14.17"	7.87"	6.30"	3.94"	10.55"	143
216-0204S1	1 x 1.5 - 6	19.13"	19.69"	16.54"	3.19"	6.30"	11.42"	9.84"	17.13"	10.04"	7.09"	3.15"	11.02"	176
216-0405S1	1.5 x 2 - 6	20.20"	19.69"	16.54"	4.25"	6.30"	11.42"	9.84"	17.13"	10.04"	7.09"	3.94"	11.02"	176
217-0405S1	1.5 x 2 - 6	20.20"	19.69"	16.54"	4.25"	6.30"	11.42"	9.84"	17.13"	10.04"	7.09"	3.94"	11.02"	176
217-0506S1	2 x 2.5 - 6	20.39"	19.69"	16.54"	4.45"	6.30"	11.42"	9.84"	17.91"	10.04"	7.87"	3.94"	11.02"	187
316-0506T1	2 x 2.5 - 8	24.84"	19.69"	16.54"	5.51"	6.57"	11.42"	9.84"	19.88"	11.02"	8.86"	3.94"	11.81"	309
316-0608TS1	2.5 x 3 - 8	26.14"	19.69"	16.54"	6.81"	6.57"	11.42"	9.84"	19.88"	11.02"	8.86"	4.92"	11.81"	331
317-0506T1	2 x 2.5 - 8	24.84"	19.69"	16.54"	5.51"	6.57"	11.42"	9.84"	19.88"	11.02"	8.86"	3.94"	11.81"	309
416-0608T1	2.5 x 3 - 8	29.00"	24.80"	20.87"	6.42"	6.97"	12.99"	11.42"	21.06"	12.20"	8.86"	4.92"	12.44"	430
426-1012U1	4 x 5 - 10	31.65"	24.80"	20.87"	9.13"	7.40"	12.99"	11.42"	27.76"	14.96"	12.80"	6.69"	12.44"	485
526-1012U1	4 x 5 - 10	35.91"	31.50"	25.20"	10.31"	7.95"	15.75"	12.99"	27.95"	15.16"	12.80"	6.69"	13.66"	694
526-1012V1	4 x 5 - 12	35.94"	31.50"	25.20"	10.51"	7.95"	15.75"	12.99"	29.53"	15.16"	14.37"	6.69"	13.66"	750
526-1012W1	4 x 5 - 16	37.24"	31.50"	25.20"	11.30"	7.95"	15.75"	12.99"	31.30"	15.16"	16.14"	7.48"	13.66"	870

Teikoku Rotary Guardian

Bearing Wear Monitor

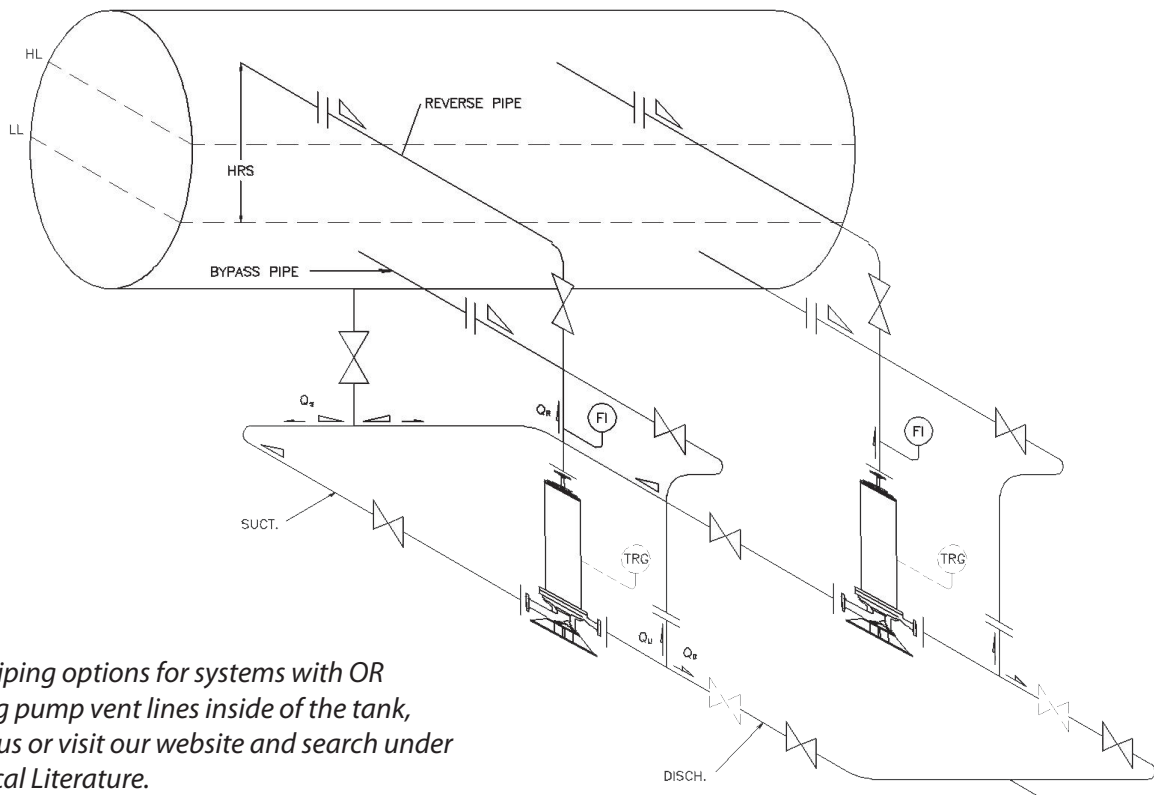
The Teikoku Rotary Guardian (TRG) takes the “mystery” out of canned motor pump operation by utilizing real time output of critical running clearances to both monitor current conditions and develop data based preventative maintenance schedules.

- Monitors and indicates rate of radial bearing wear
- Detects loss of phase
- Shows reverse rotation



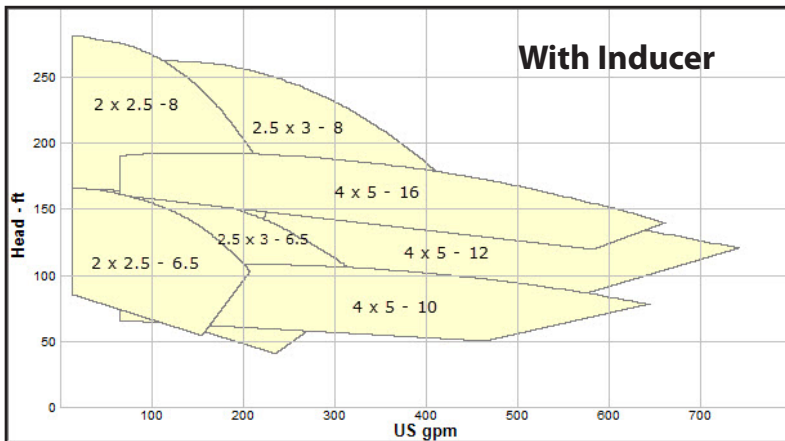
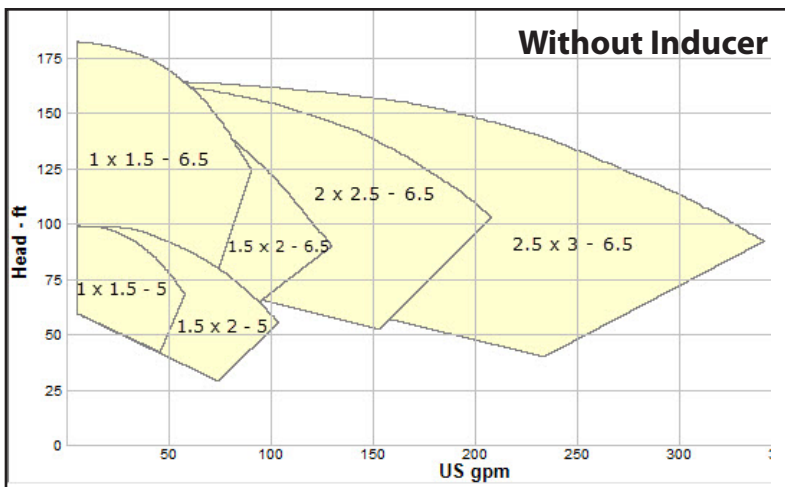
Piping Options

The key for successful use of Teikoku ammonia pumps is proper piping and venting of any vapors that form inside the reverse circulation pipe. Trapped vapors in the reverse circulation line will cause the flow through the line to stop. In the event that the flow stops, any pump will be damaged from liquid vaporization and/or overheating. Following this diagram will allow both the vapor and liquid to flow freely back to the suction tank.



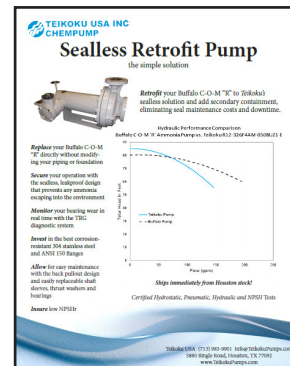
To view other piping options for systems with OR without existing pump vent lines inside of the tank, please contact us or visit our website and search under Teikoku Technical Literature.

Most Common Selections

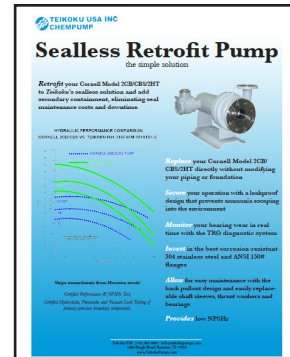


Model	GPM	PSI / TDH (ft)	Pump Size	HP	NPSH _R
119-0204R1	20	28 / 100	1 x 1.5 - 5	1.7	1.8
119-0405R1	55	20 / 72	1.5 x 2 - 5	1.7	4.7
216-0204S1	40	45 / 160	1 x 1.5 - 6	3.4	3.6
216-0405S1	60	30 / 106	1.5 x 2 - 6	2.9	3.3
217-0405S1	60	40 / 143	1.5 x 2 - 6	4.5	3.3
217-0506S1	60	45 / 160	2 x 2.5 - 6	4.5	3.1
217-0506S1	120	30 / 106	2 x 2.5 - 6	5.2	4.1
316-0506T1	120	45 / 160	2 x 2.5 - 8	8.3	4.5
316-0608TS1	100	44 / 155	2.5 x 3 - 8	8.3	3.7
316-0608TS1	190	30 / 106	2.5 x 3 - 8	8.3	3.8
317-0506T1	80	73 / 260	2 x 2.5 - 8	12.3	2.8
416-0608T1	160	63 / 225	2.5 x 3 - 8	16.1	4.8
426-1012U1	270	30 / 106	4 x 5 - 10	11.4	3.1
526-1012U1	375	30 / 106	4 x 5 - 10	14.7	4.0
526-1012V1	270	45 / 160	4 x 5 - 12	20.0	3.0
526-1012V1	480	30 / 106	4 x 5 - 12	20.0	4.0
526-1012W1	375	45 / 160	4 x 5 - 16	22.7	3.4
526-1012W1	480	45 / 160	4 x 5 - 16	22.7	4.3

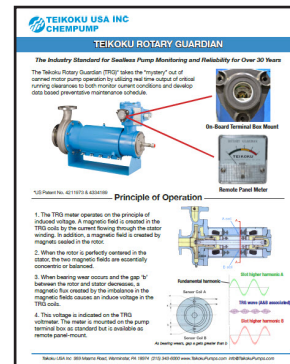
Teikoku's Technical Literature for Refrigeration



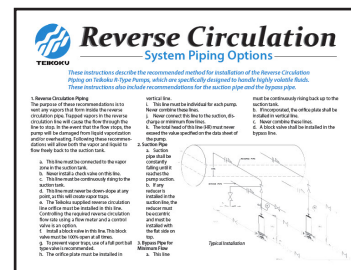
Buffalo Retrofit Brochure



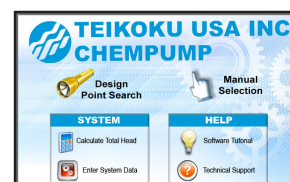
Cornell Retrofit Brochure



Teikoku Rotary Guardian (TRG) Brochure



Piping Options Guide



Frigid Flo Selection Software

Teikoku USA Inc — Headquarters

959 Mearns Road, Warminster, PA 18974
(215) 343-6000 (P) (267) 486-1037 (F)

www.TeikokuPumps.com
info@TeikokuPumps.com