



PANSTO PUMP

SLURRY PUMP MANUFACTURER

Pansto

IS(R)&IH Horizontal
Water Pump



Pansto IS(R) and IH type pumps are single-stage single-suction centrifugal pumps, designed in accordance with the international standard ISO2858. They are suitable for industrial and urban water supply and drainage, and can also be used for agricultural drainage and irrigation. It is used to transport clean water and other liquids with physical and chemical properties similar to clean water. The temperature does not exceed 80°C.

ISR type is a series of hot water pumps designed by our company according to the performance and dimensions stipulated in the international standard ISO2858. It is suitable for hot water boiler water supply, hot water circulation system, and can also be used for industrial and urban water supply, drainage and irrigation, but the temperature does not exceed 50°C.

IH type chemical pumps are mainly used to transport corrosive liquids and media that do not allow pollution.

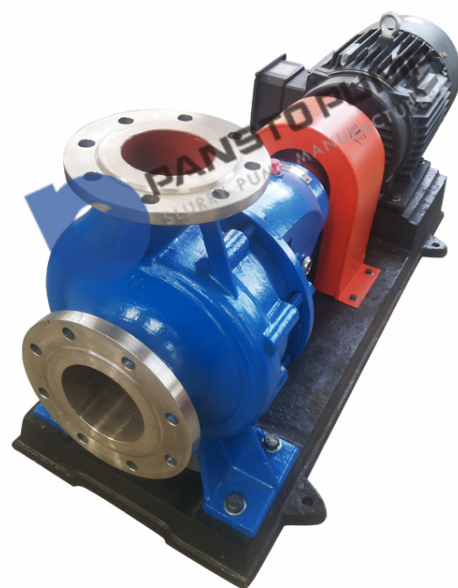
IS(R), IH Performance Range

Rotation Speed: 2900r/min and 1450r/min

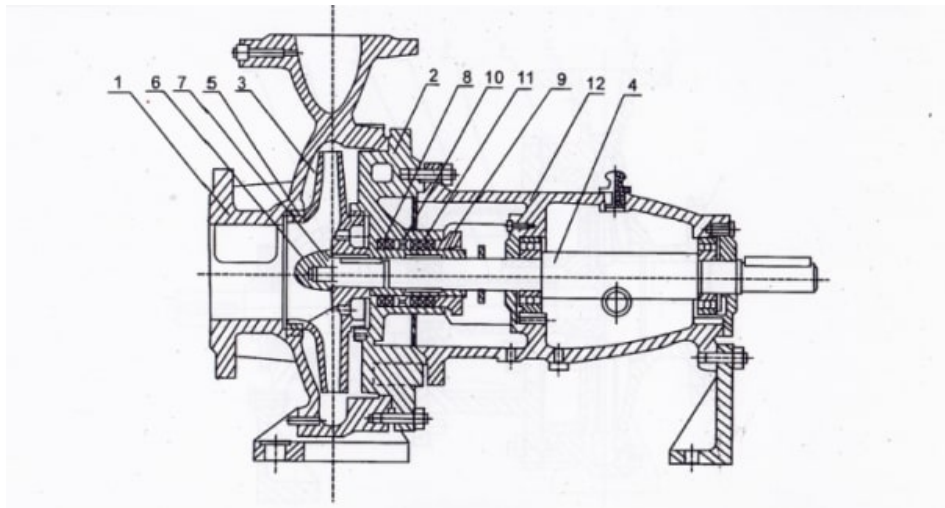
Inlet Diameter: 50-200mm

Flow Rate: 6.3-400 m³/h

Head: 5-125m

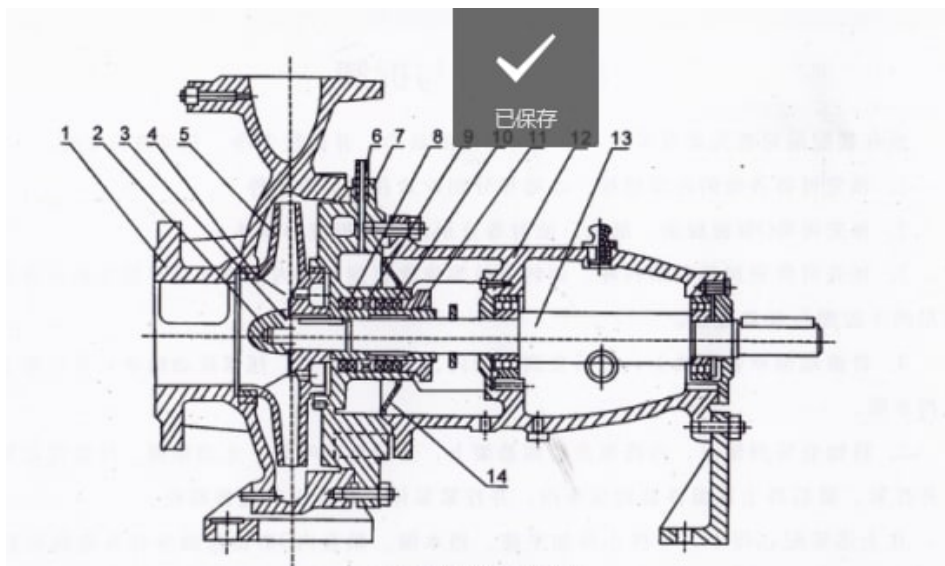


Structure



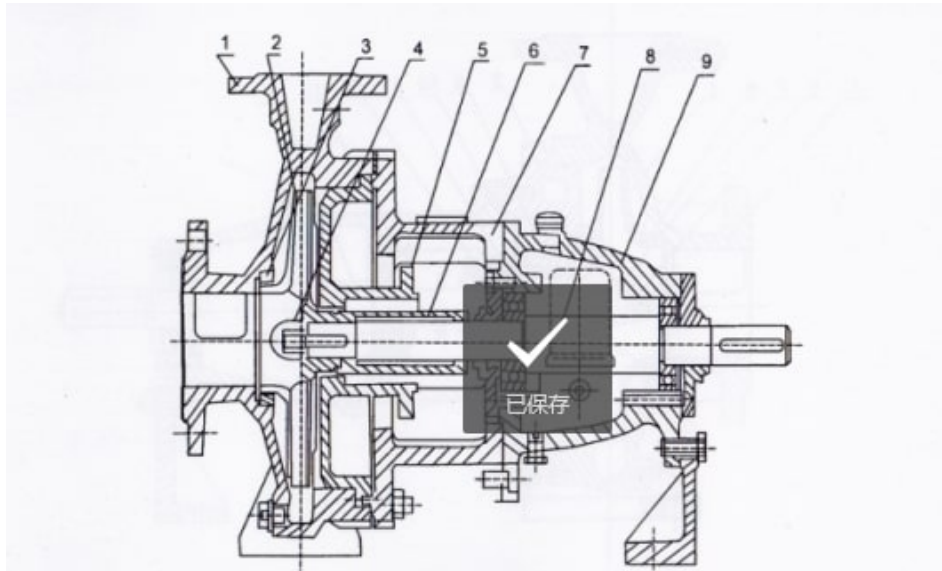
IS Structure

- | | | |
|------------------|-----------------|------------------------|
| 1. Pump body | 2. Pump casing | 3. Impeller |
| 4. Shaft | 5. Sealing ring | 6. Impeller nut |
| 7. Stop washer | 8. Shaft sleeve | 9. Gland |
| 10. Packing ring | 11. Packing | 12. Suspension bearing |



ISR Structure

- | | | |
|-----------------|--------------------------------------|-----------------------------|
| 1. Pump body | 2. Impeller nut | 3. Stop washer |
| 4. Sealing ring | 5. Impeller | 6. Water cooling pipe joint |
| 7. Pump casing | 8. Shaft sleeve | 9. Packing ring |
| 10. Packing | 11. Gland cover | 12. Suspension bearing |
| 13. Shaft | 14. Water cooling chamber ring cover | |



IH Structure

- | | | |
|-------------------|----------------|--------------------|
| 1. Pump body | 2. Impeller | 3. Sealing ring |
| 4. Impeller nut | 5. Pump casing | 6. Sealing part |
| 7. Middle bracket | 8. Shaft | 9. Suspension part |

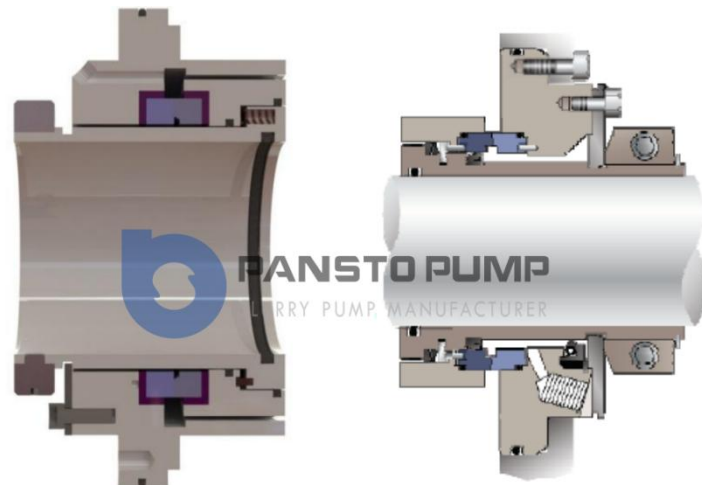
Shaft seal options

The shaft seal is one of the most important mechanical elements in centrifugal slurry pump and the correct type of seal must be carefully selected to suit each individual pump system. There are three commonly used shaft sealing options:



Packing seal

The soft, packed gland seal is the most commonly used seal in slurry applications. Clean water at a certain pressure being injected into the packing through the lantern, preventing leakage from casing. Simple structure, easy maintenance, low cost.



Mechanical seal

The mechanical seal consists of a stationary and a rotating face pressed together under mechanical and hydraulic pressure to prevent leakage. It has best seal effect, used for zero leakage conditions. Low pressure flush mechanical seal do not dilute the product. High cost .

Clear water performance parameters

Model	Speed n	Capacity Q		Head H	Eff. η	Power P	NPSHr
	(r/min)	(m ³ /h)	(l/s)	(m)	(%)	(kw)	(m)
IS(R)&IH50-32-125	2900	12.5	3.47	20	51	2.2	2
	1450	6.3	1.75	5	45	0.55	2
IS(R)&IH50-32-125A	2900	11.3	3.14	16.4	50	1.5	2
	1450	5.7	1.58	4.1	43	0.55	2
IS(R)&IH50-32-160	2900	12.5	3.47	32	46	3	2
	1450	6.3	1.75	8	40	0.55	2
IS(R)&IH50-32-160A	2900	11.3	3.14	26.4	44	3	2
	1450	5.7	1.58	6.6	37.1	0.55	2
IS(R)&IH50-32-200	2900	12.5	3.47	50	39	5.5	2
	1450	6.3	1.75	12.5	33	1.1	2
IS(R)&IH50-32-200A	2900	11.3	3.14	41	38	4	2
	1450	5.7	1.58	10.3	31	0.75	2
IS(R)&IH50-32-250	2900	12.5	3.47	80	33	11	2
	1450	6.3	1.75	20	27	2.2	2
IS(R)&IH50-32-250A	2900	11.7	3.25	70	32	11	2
	1450	5.9	1.64	17.5	25	1.5	2
IS(R)&IH50-32-250B	2900	11	3.06	62	30	7.5	2
IS(R)&IH65-50-125	2900	25	6.94	20	62	3	2
	1450	12.5	3.47	5	55	0.55	2
IS(R)&IH65-50-125A	2900	22.7	6.31	16.5	61	2.2	2
	1450	11.3	3.14	4.1	54	0.55	2
IS(R)&IH65-50-160	2900	25	6.94	32	57	5.5	2
	1450	12.5	3.47	8	51	0.75	2
IS(R)&IH65-50-160A	2900	22.7	6.31	26.5	56	4	2
	1450	11.3	3.14	6.6	49.6	0.55	2
IS(R)&IH65-40-200	2900	25	6.94	50	52	11	2
	1450	12.5	3.47	12.5	46	1.5	2
IS(R)&IH65-40-200A	2900	22.7	6.31	41	50	7.5	2
	1450	11.3	3.14	10.3	44	1.1	2
IS(R)&IH65-40-250	2900	25	6.94	80	46	15	2
	1450	12.5	3.47	20	39	3	2
IS(R)&IH65-40-250A	2900	23.4	6.5	74.8	45	15	2
	1450	11.7	3.25	17.5	37.9	2.2	2
IS(R)&IH65-40-250B	2900	22	6.11	61.8	44	11	2
IS(R)&IH65-40-315	2900	25	6.94	125	39	30	2
	1450	12.5	3.47	32	33	5.5	2
IS(R)&IH65-40-315A	2900	23.4	6.5	109.5	38	30	2
	1450	11.7	3.25	28	33	4	2

IS(R)&IH65-40-315B	2900	22	6.11	96.5	37	22	2
IS(R)&IH80-65-125	2900	50	13.89	20	69	5.5	3
	1450	25	6.94	5	64	0.75	2.5
IS(R)&IH80-65-125A	2900	45.3	12.58	16.5	67	4	3
	1450	22.7	6.31	4.1	62	0.55	2.5
IS(R)&IH80-65-160	2900	50	13.89	32	67	11	2.3
	1450	25	6.94	8	62	1.5	2.3
IS(R)&IH80-65-160A	2900	45.3	12.58	26.4	65	7.5	2.3
	1450	22.7	6.31	6.6	60	1.1	2.3
IS(R)&IH80-50-200	2900	50	13.89	50	63	15	2.5
	1450	25	6.94	12.5	57	2.2	2
IS(R)&IH80-50-200A	2900	45.3	12.58	41	61	11	2.5
	1450	22.7	6.31	10.3	56.1	2.2	2
IS(R)&IH80-50-250	2900	50	13.89	80	53	30	2.5
	1450	25	6.94	20	50	5.5	2
IS(R)&IH80-50-250A	2900	45.3	12.58	65.7	52	22	2.5
	1450	22.7	6.31	16.4	49	3	2
IS(R)&IH80-50-315	2900	50	13.89	125	50	45	2.5
	1450	25	6.94	32	48	7.5	2.5
IS(R)&IH80-50-315A	2900	45.3	12.58	102.6	48	37	2.5
	1450	22.7	6.31	25.7	46	5.5	2.5
IS(R)&IH100-80-125	2900	100	27.78	20	73	11	4.2
	1450	50	13.89	5	69	1.5	3.4
IS(R)&IH100-80-125A	2900	91.8	25.5	16.8	71	7.5	4.2
	1450	45.9	12.75	4.2	67	1.1	3.4
IS(R)&IH100-80-160	2900	100	27.78	32	73	15	4.3
	1450	50	13.89	8	68	2.2	3.4
IS(R)&IH100-80-160A	2900	91	25.28	26.5	71	15	4.3
	1450	45.5	12.64	6.6	67	1.5	3.4
IS(R)&IH100-65-200	2900	100	27.78	50	72	22	3.9
	1450	50	13.89	12.5	68	3	2.5
IS(R)&IH100-65-200A	2900	91	25.28	41.5	70	18.5	3.9
	1450	45.5	12.64	10.3	66	3	2.5
IS(R)&IH100-65-250	2900	100	27.78	80	68	37	3.6
	1450	50	13.89	20	63	5.5	2.5
IS(R)&IH100-65-250A	2900	93.5	25.97	70	65	37	3.6
	1450	45.5	12.64	17.4	61	5.5	2.5
IS(R)&IH100-65-250B	2900	87.8	24.39	61.7	64	30	3.6
IS(R)&IH100-65-315	2900	100	27.78	125	62	75	3.2
	1450	50	13.89	32	58	11	2

IS(R)&IH100-65-315A	2900	93.5	25.97	109	61	75	3.2
	1450	46.5	12.92	28	56	11	2
IS(R)&IH100-65-315B	2900	88	24.44	97	60	55	3.2
IS(R)&IH125-100-200	2900	200	55.56	50	77	45	5
	1450	100	27.78	12.5	73	7.5	2.9
IS(R)&IH125-100-200A	2900	182	50.56	41.4	75	37	5
	1450	91	25.28	10.3	71	5.5	2.9
IS(R)&IH125-100-250	2900	200	55.56	80	75	75	4.5
	1450	100	27.78	20	72	11	2.3
IS(R)&IH125-100-250A	2900	186.5	51.81	69.5	73	75	4.5
	1450	93	25.83	17.4	70	11	2.3
IS(R)&IH125-100-250B	2900	175.5	48.75	61.5	71	55	4.5
IS(R)&IH125-100-315	2900	200	55.6	125	72	110	4.5
	1450	100	27.8	32	65	22	2.5
IS(R)&IH125-100-315A	2900	186.5	51.81	108.7	71	90	4.5
	1450	93	25.83	27.2	64	15	2.5
IS(R)&IH125-10-400	1450	100	27.78	50	55	30	2.5
IS(R)&IH125-100-400A	1450	93	25.83	43.2	54	30	2.5
IS(R)&IH150-125-250	1450	200	55.56	20	77	18.5	2.8
IS(R)&IH150-125-250A	1450	182	50.56	16.5	75	15	2.8
IS(R)&IH150-125-315	1450	200	55.6	32	75	30	2.8
IS(R)&IH150-125-315A	1450	182	50.56	25.5	73	22	2.8
IS(R)&IH150-125-315B	1450	165	45.83	22	72	18.5	2.8
IS(R)&IH150-125-400	1450	200	55.56	50	70	55	2.5
IS(R)&IH150-125-400A	1450	182	50.56	41	68	37	2.5
IS(R)&IH150-125-400B	1450	165	45.83	34	67	30	2.5
IS(R)&IH200-150-250	1450	400	111.11	20	79	37	2.8
IS(R)&IH200-150-250A	1450	363	100.83	16.5	79	30	2.8
IS(R)&IH200-150-315	1450	400	111.11	32	79	55	3.5
IS(R)&IH200-150-315A	1450	363	100.84	25.5	77	45	3.5
IS(R)&IH200-150-315B	1450	329	91.39	21.6	76	37	3.5
IS(R)&IH200-150-400	1450	400	111.11	50	78	90	3.5
IS(R)&IH200-150-400A	1450	363	100.83	41	76	75	3.5
IS(R)&IH200-150-400B	1450	329	91.39	33.8	75	55	3.5



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