



C.R.I. PUMPS

Pumping trust... Worldwide.



- More Durability and Hygiene.
- High Operating Efficiency.
- Motor designed with a High Cooling Effect.
- Designed for Wide Voltage Operation.
- Sturdy and Compact.



Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability and Innovation.**



ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



60+ Years
of Engineering
Expertise



120+ Countries
have our strong
global presence



21+
Manufacturing Units
around the World



30000+ Outlets
to serve our
Customers



9000+
Products for various
applications



1500+
Service Centres to
support our Customers



16 Times
EEPC Award Winner
for Export Excellence



8 Times
NEC Award Winner
for Energy Savings



**Fludyn Advanced Technology
Centre** Recognized by Ministry of
Science & Technology, Govt. of India.

C.R.I. PIPES - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

C.R.I. WIRES & CABLES - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

C.R.I. SOLAR PUMPING SYSTEM - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



100mm Borewell Submersible Pumpset - STEELIX 4 Series

C.R.I. offers 100% stainless steel submersibles for domestic and agriculture applications. These pumps are made of corrosive resistance stainless steel which results more longevity and hygiene. The optimal design enables best possible hydraulic efficiency and the wide range of products which is more suitable for saline water and industrial applications.

SALIENT FEATURES

- Motor Pump components are made up of corrosive resistant SS 304 / SS 316
- Motor portion covered with corrosive resistance stainless steel SS 304 / SS 316 shell
- Best suitable for saline water and industrial applications
- High operating efficiency
- More longevity & hygiene
- Specially designed thrust bearing or angular contact ball bearing to withstand high axial thrust load
- Extremely hard wearing water lubricated bush bearing (or) double sealed ball bearing
- Designed for wide voltage operation
- Non-toxic liquid filled motor to ensure the low voltage performance
- Additional intermediate bearing on higher stage pump to ensure the deflection free rotation of pump.

APPLICATION

- Residential
- Irrigation
- Civil water supply
- Fountains
- Fire fighting & Pressure Boosting
- Sprinkler Systems
- Industrial & Mining
- Food processing industry
- Golf Course
- De – Salination plants.

SPECIFICATIONS

100MM STEELIX

Power range	0.37 kW - 7.5 kW (0.5HP - 10HP)
Speed	2850 RPM
Version	Single phase 220V, Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	495 Metre
Maximum flow rate	5 LPS (18 m ³ /hr)
Minimum cooling flow along the motor	0.15 m /sec
Method of starting	Capacitor Start Capacitor Run (CSCR) / Direct Online (DOL) / Star Delta (SD)
Maximum starts per hour	20 times
Nominal outlet size	32, 40 & 50mm



PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 230 Volts

Three Phase 380 - 415 Volts, 50 Hz, A.C. Supply

100mm BOREWELL SUBMERSIBLE PUMPSET - STEELIX 4 Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7
						0	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.47
WA4AS-1/0.5/14	0.37	0.5	14	32	Head in Metres	80	71	65	58	49	39	29	18	13
WA4AS-1/1.5/36	1.1	1.5	36	32		198	182	165	145	123	102	80	54	41
WA4AS-1/2/50	1.5	2	50	32		280	250	226	199	170	140	106	70	51

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.6	1.0	1.4	1.8	2.0	2.2	2.6
						0	0.16	0.27	0.38	0.50	0.55	0.61	0.72
WA4AS-2/0.5/9	0.37	0.5	9	32	Head in Metres	52	47	43	38	33	28	23	17
WA4AS-2/1/18	0.75	1	18	32		118	113	100	90	78	70	61	48
WA4AS-2/1/9	0.75	1	19	32		54	49	45	40	35	30	25	19
WA4AS-2/1.5/18	1.1	1.5	18	32		120	115	102	92	80	72	63	50
WA4AS-2/1.5/23	1.1	1.5	23	32		145	140	128	113	93	82	71	57
WA4BS-2/2/28	1.5	2	28	32		180	172	160	142	121	110	98	77
WA4BS-2/2/33	1.5	2	33	32		215	199	183	165	140	124	108	82
WA4BS-2/3/40	2.2	3	40	32		249	232	218	195	165	144	127	92

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
						0	0.41	0.55	0.69	0.83	0.97	1.11	1.25
WA4AS-3/0.75/9	0.55	0.75	9	32	Head in Metres	52	50	48	46	40	33	25	13
WA4AS-3/1/9	0.75	1	9	32		54	52	50	48	42	35	27	15
WA4AS-3/1/12*	0.75	1	12	32		75	69	65	60	54	45	33	20
WA4AS-3/1.5/18	1.1	1.5	18	32		108	104	100	93	84	71	50	32
WA4AS-3/2/18	1.5	2	18	32		110	106	102	95	86	73	52	34
WA4BS-3/2/25	1.5	2	25	32		168	159	148	134	117	99	74	45
WA4BS-3/3/29*	2.2	3	29	32		190	181	170	159	140	117	90	50
WA4BS-3/5/52	3.7	5	52	32		330	303	290	272	244	206	162	103
WA4BS-3/5/60	3.7	5	60	32		384	345	328	304	274	228	180	110
WA4BS-3/6/65	4.5	6	65	32		403	360	342	320	290	345	190	115
WA4BS-3/7.5/80	5.5	7.5	80	32		495	442	420	394	352	300	234	140



PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 230 Volts

Three Phase 380 - 415 Volts, 50 Hz, A.C. Supply

100mm BOREWELL SUBMERSIBLE PUMPSET - STEELIX 4 Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2	3	4	5	6	7
						0	0.55	0.83	1.10	1.39	1.66	1.94
WA4AS-5/1/8*	0.75	1	8	40	Head in Metres	46	43	40	37	32	23	15
WA4AS-5/1.5/12	1.1	1.5	12	40		75	71	65	57	48	38	24
WA4BS-5/2/17	1.5	2	17	40		108	94	88	80	68	51	33
WA4BS-5/3/25	2.2	3	25	40		162	143	131	119	102	77	53
WA4BS-5/5/38	3.7	5	38	40		241	215	198	177	152	119	81
WA4BS-5/5/44	3.7	5	44	40		280	244	223	199	170	134	92
WA4BS-5/7.5/52	5.5	7.5	52	40		324	281	258	230	199	156	108
WA4BS-5/7.5/60	5.5	7.5	60	40		360	322	300	262	236	190	130
WA4BS-5/10/75	7.5	10	75	40		487	427	392	352	302	237	168

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	3	4	5	6	7	8	9	10	11	12	14	16	18
						0	0.83	1.11	1.39	1.66	1.94	2.22	2.50	2.78	3.05	3.33	3.89	4.44	5
WA4BS-8/1/5	1.1	1	15	50	Head in Metres	32	27	25	23	22	20	18	16	13	11				
WA4BS-8/3/12*	1.5	3	12	50		74	68	67	65	61	56	51	44	37	27				
WA4BS-8/3/15	2.2	3	15	50		94	85	82	79	75	69	63	55	46	36				
WA4BS-8/4/18	3	4	18	50		112	107	103	99	94	87	79	69	57	44				
WA4BS-8/7.5/37	5.5	7.5	37	50		230	204	195	185	173	162	146	131	112	89				
WA4BS-14/10/25	7.5	10	25	50		161		156		152		145		137		125	110	91	68

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Impeller	SS 304
Stage Casing	SS 304
Pump Shaft	SS 304 / SS 431
Bracket	SS 304
Check Valve Housing	SS 304
Inlet Screen	SS 304

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Upper & Lower Housing	Cast Iron
Stator Shell	SS 304 / SS 441
Rotor Shaft	SS 431 / SS 410
Journal Bushes	Carbon
Thrust Assembly	SS 420 & Graphite Carbon



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HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE | AGRICULTURE | RESIDENTIAL



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☎ TOLL FREE **1800 121 1243** 🌐 www.crigroups.com 🗣 chatbot : **+91 9500401115**

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