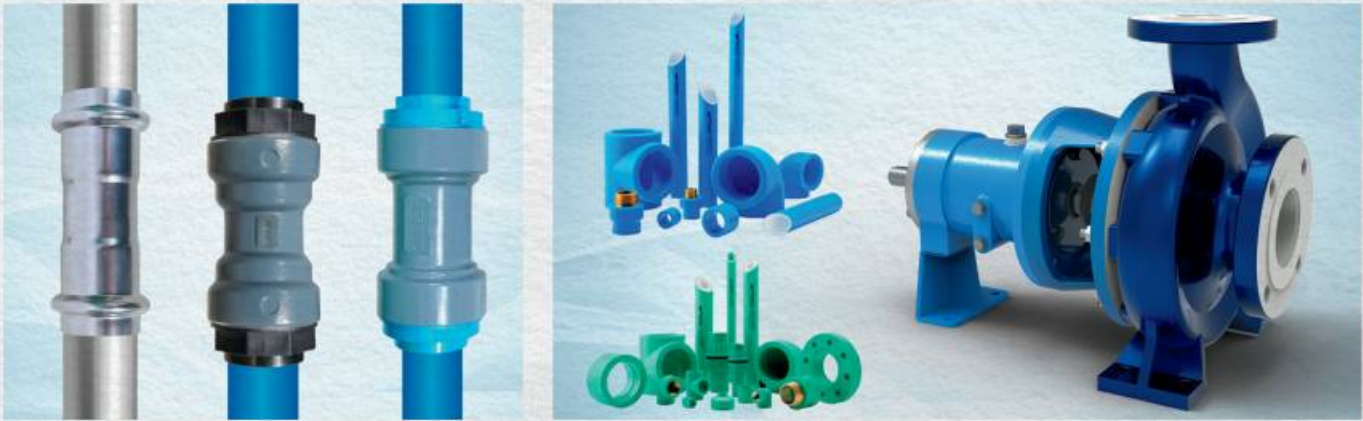


www.industrygenix.com | www.industrygenix.in



**INDUSTRYGENIX
ENGINEERING**

IGE PIPING SOLUTION IGE PUMPS



Introducing by **Industrygenix Engineering**

Industrygenix Engineering brand of **IGE PUMP** is the manufacturer of Chemical Process Pumps, Centrifugal Pump and their spare parts in different sizes & Also Providing Complete solution in piping system

Authorised Distributors :



Quickair™
Modular Aluminium Piping system

PRINCE
PIPING SYSTEMS

Corzan
MATERIAL & PIPING SOLUTIONS



Industrygenix Engineering IGE PUMPS

Our Setup at:

- Corporate office: Swaraj Capitals, Office no. 329, 3rd floor, near Laxmi chowk, Moshi, Pune - 412105
- Stores: Survey no. 5/4, Vithalwadi Bypass Road, Dehugaon, Pune, MH-412109
- Production: Foundry at Rajkot, assembly at Valsad

Industrygenix Engineering brand of IGE PUMP is the manufacturer of Chemical Process Pumps, Centrifugal Pump and their spare parts in different sizes. It is made from investment casting. Our Pumps Follows the ANSI B73.1 M & ISO 2858-5199 std and flanges of ASA 150. We offer fluid transfer pump for all the industrial applications.



Why choose Us

Our main Aim beyond the business is Customer Satisfaction. We provide the best Export quality product without any compromise with the precessions. We are consistently taking effort on development of pump and be the best in Market. Also, on time service is offered to reduce maintenance downtime.

Below features of IGE pumps;

- Longer equipment Life
- Lower maintenance Costs
- Lower Energy Costs
- Improved Technical Support
- Increased Equipment Efficiency



We cater the Industries below:

- Chemical and Pharmaceutical Industries
- Dairy, Food, Beverages
- Sugar & Refineries
- Automobile & Auto-component manufacturers
- Pulp & Paper Industries
- Water Treatment plants
- Textile, Rubber, Plastics
- Machine Tool Coolant Application
- Utility Water Application

Material	ASTM Casting Grade
Cast Steel	WCB
SS-304	CF8
SS-316	CF8M
SS-316L	CF3M
CD4MCu	CD4MCu
Alloy-20	CN7M
Carpenter 20	CK 20
Duplex SS	Grade 4A, 5A, 6A
Hastelloy B	N12MV
Hastelloy C	CW12MW
Nickel (100%)	CZ-100
MONEL	M-35
Ni-Hard	Ni-Hard(Ni-Resistance)



All Pumps are available
in mentioned MOC →

Our Pump PRODUCT RANGE



- 1) IGE-ILC Process Pump (Small Size)
- 2) IGE-ISM Process Pump (Medium Size)
- 3) IGE-IMD Process Pump (Large Size)
- 4) IGE-IXT Process Pump (Extra-large Size)
- 5) IGE-EXP Process Pump (Slurry handling Pump)
- 6) IGE-ICIP series ISO 2858-5199 std Process Pump
- 7) IGE-THF series for Thermic fluid application
- 8) IGE-ST series for Solvent transfer application
- 9) IGE TMST series trolley mounted for Solvent transfer application
- 10) IGE-MTCT series for Machine tool coolant transfer application
- 11) IGE-MB series for Monoblock pump requirement to Utility or process application

01 CHEMICALS

Sulphuric acid, Brine, Nitric acid, Sodium Hydroxide, Chloro sulphuric acid, Maleic Acid, Hydrochloric Acid, Ethanol, Citric acid, Acetic acid, Phosphoric acid, Sodium Chloride, Ammonium Chloride, Oleum, Vinyl Acetate

02 PETROCHEMICALS

Butadiene, Benzene, Toluene, Ammonia, Methanol, Vinyl chloride, Ethylene glycol, Maleic anhydride, Acrylonitrile, Urea, Formaldehyde, Phenol, Styrene, Ethylene oxide, Xylene

03 PULP & PAPERS

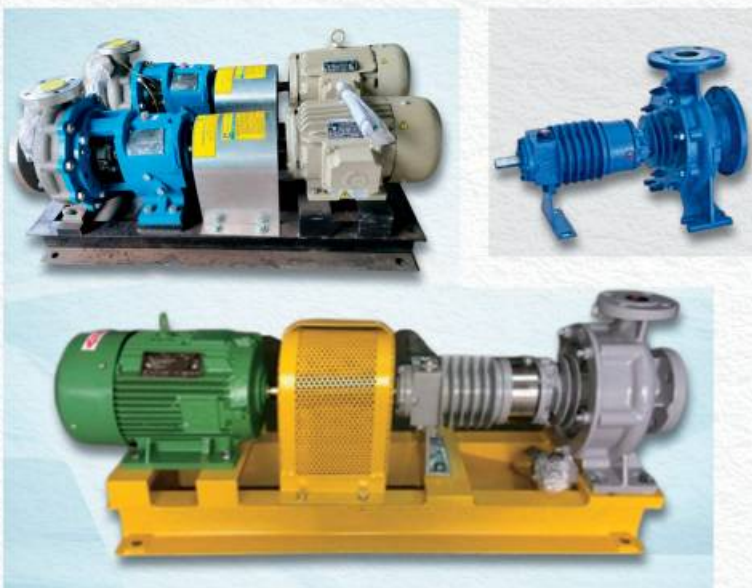
Shower water, White water, Chlorine dioxide, Sodium Hypochlorite, Fresh liquor, Black Liquor, Green Liquor, Dregs washer, white liquor

04 BREWING

Sparge water, Hot/cold wort, Chilled water, Beer, reclaim water, MASH, blow black beer, Spent grain liquor, Alcohol transfer, Yeast brink, Sulphuric acid, Caustic

05 PRIMARY METAL

Copper cyanide, Sodium Cyanide, Chromic acid, Sodium Sulphate, Ferric chloride, Ferrous Sulphate, Copper sulphate, Ammonia sulphate, Silver Cyanide

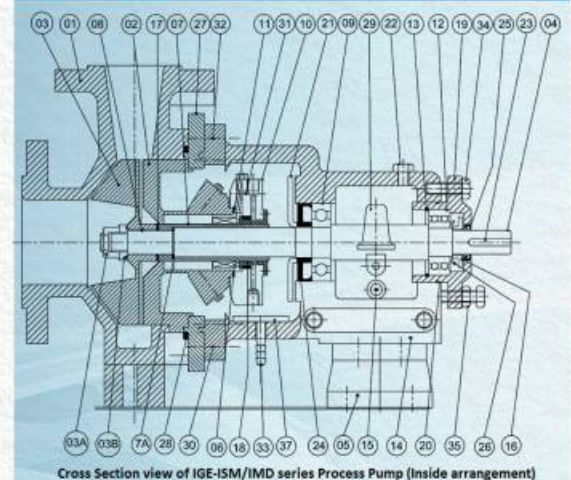


IGE-ILC, IGE-ISM, IGE-IMD, IGE-IXT Series Process Pump

Key features of our ILC, ISM, IMD, IXT, ICIP Series process Pump:

- Back pull-out design.
- These pumps basically design for process services and suited for corrosive liquids containing solids and stringy materials.
- Semi open impeller which can handle 4-5% suspended particles and Expeller pump handles up to 30-35% slurry particles.
- Variety of mechanical seal fitment and jacketing option as per application requirement.
- The back pull out design helps the user to dismantle the pump without dismantling the Pump Casing from the Suction and Discharge piping. This helps in ease of Maintenance and the regular checks for wear and tear of Pump parts can be easily done.
- For back pull out Pump, spider and spacer coupling are only used for easy maintenance without disturbing pump alignment and piping etc.
- ANSI Pumps can take a designed pressure up to 20kg/sq.cm. and so can give a highly extended life of the pump in various chemical process applications.

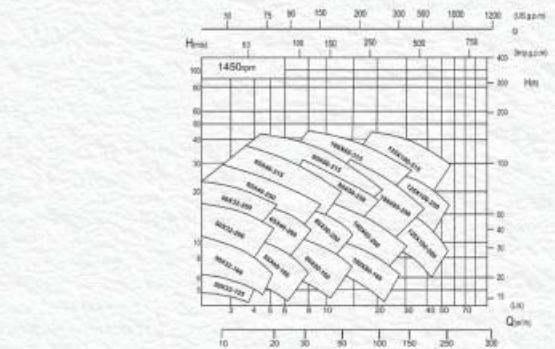
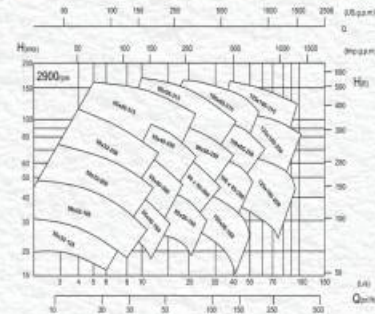
Cross section view:



37	Drip Tray
35	Bolts/jam Nut-Impeller Adj.
34	Bolt-Brg Cover to Brg Frame
33	Nozzel
32	Bolt-SBCvr to Bearing Frame
31	Stud/Nut-SBCvr to Gland plate
30	Stud/Nut-Casing
29	Constant Level Oiller
28	Gasket Casing to St.Box Cover
27	Adaptor Ring
26	Bearing Lock Washer
25	Oilseal Outboard (22x32x7)
24	Oilseal Inboard (30x72x8)
23	Key-Coupling
22	Oil Breather
21	Deflector
20	O - Ring
19	Bearing Cover
18	Stationary Part
17	Impeller Seal Ring
16	Bearing Lock Nut
15	Bearing Oil Drain Plug
14	Bearing Frame
13	Retaining Ring/Circlip
12	Bearing Outboard (3305)
11	Seal Cover Gasket
10	Gland Plate (Seal Cover)
09	Bearing Inboard (6306)
08	Impeller Key
07A	Sleeve Gasket
07	Shaft Sleeve
06	Rotary Unit
05	Support foot
04	Shaft
03B	Impeller Nut Gasket
03A	Impeller Nut
03	Impeller
02	Stuffing Box Cover/Back Plate
01	Casing



IGE-ICIP & IGE-THF Series Process Pump

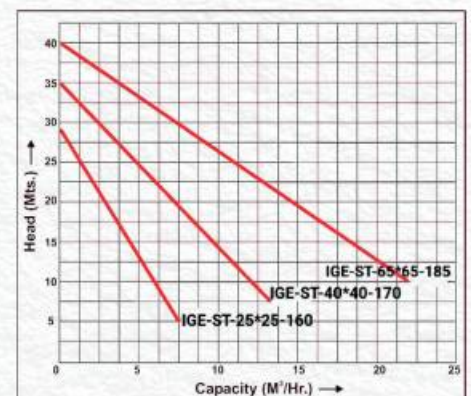


- Key features of our THF series thermic fluid pump:**
- Pump Dimensions comply to ISO 2858/5199 with Flange STD ASA 150.
 - Available in Closed Impeller Construction for Higher Efficiencies.
 - Wide Range of Models and MOCs available (Ductile Iron, Cast Steel & Stainless Steel) covering the Maximum Duty Conditions.
 - Two Intrinsic Designs covering wide range of High Temperature Fluids and other Vegetable Oil Applications.
 - Maximum Temperature handling up to 350 C.
 - Back Ribs on Impeller.
 - Heat Barrier plate for better heat dissipation.
 - Cooling Fins (Air-Cooled) are provided to eliminate use of External Cooling Systems.
 - Oil Lubricated Bearing Housing Only, with Ball Bearings provided on the Product Side as well as the Drive Side to ensure Ease of Maintenance & Better Service Life.
 - Intermediate element Provided for Vegetable Oil Applications Under Vacuum, eliminating use of Expensive Double or Metal Bellows Seals.

IGE Trolley Mounted & without Trolley Mounted Solvent Process Pump



- Key features of solvent transfer vertical inline pump:**
- Can lift from a negative suction from 3 to 5 mts.
 - Low NPSH required.
 - Compact in design.
 - Seal cooled and flushed by process fluid itself
 - Excellent for handling solvents from barrels and from tank farms to the charging vessels
 - Slow speed in operation which helps less wear and tear.
 - Can be provided with a trolley mounted arrangement for faster Batch Productions of these drugs.
 - These Pumps are in the fore front in increasing the Production Capacities with a Turbine Type Impeller, it excels in handling Clear Solvents at its best.
 - These Pumps come with Vertical or Horizontal type with Foot or flange Mounted Motor arrangements.



OUR PIPING SYSTEM

WE DEAL IN QUICKAIR MAKE ALUMINIUM
& SS PIPE & FITTINGS

Quickair™ range of products innovatively designed systems that reduce installation time and cost without compromising quality, aesthetics, or reliability.



Aluminium Piping

- > All Type of Industrial Plant Air
- > Inert Gas distribution as well as vacuum operations
- > Manufacturing hand tool operation
- > Manual and automated welding operations
- > Semi-Conductor tool hook up
- > Valve actuation - Control systems
- > Micro bulk inert gas delivery systems
- > Robotic operations
- > Battery manufacturing plants
- > Electronic plants
- > Semi conductor plants
- > Automobile plants
- > Food & pharma industries

Technical Specification

FITTINGS	
Material Of Construction	Aluminium body (Quickair), PA6 End Connector
Connection Type	Push to Fit
Certification	ISO
Max.Working Pressure	20 bar
Plant Testing Pressure 1 hr at 20 degree C	1.5 times the working pressure
Quality testing Pressure 1 hr at 20 degree C	30 bar
Continuous Service Temp Limit	90° C
Max Peak Temp	90° C
O Ring & Lip Gasket Material	HNBR/EPDM
Grab ring	Spring Steel
Thread Standard	BSP (Metric)/NPT
Fitting Body Surface Treatment	Powder coated / anodized
Manufacturing with safety norms	CE

TUBES	
Materials specification	Aluminium Alloy 6063 -T5
Ra Value	0.6 (axial) / 1.2(radial)
Tensile strength	150 Min Mpa
Hardness	60 BHN
Color code	Blue (RAL 5012) other colors are optional
Tolerance	Tolerance Std.IS2763, IS3965, EN-755-2



Modular Aluminium Piping System

For
Compressed Air, Nitrogen, Vacuum
and Inert Gases

Size: 20mm to 63mm and 3" to 8"



Quickair™
Modular Piping System
Aluminium

**Modular Aluminium
Piping System**

Aluminium Piping For Compressed Air, Nitrogen, Vacuum and Inert Gases

Technical Specification

FITTINGS	
Material Of Construction	Aluminium body (Quickair), PA6 End Connector
Connection Type	Push to Fit
Certification	ISO
Max.Working Pressure	20 bar
Plant Testing Pressure 1 hr at 20 degree C	1.5 times the working pressure
Quality testing Pressure 1 hr at 20 degree C	30 bar
Continuous Service Temp Limit	90° C
Max Peak Temp	90° C
O Ring & Lip Gasket Material	HNBR/EPDM
Grab ring	Spring Steel
Thread Standard	BSP (Metric)/NPT
Fitting Body Surface Treatment	Powder coated / anodized
Manufacturing with safety norms	CE

TUBES	
Materials specification	Aluminium Alloy 6063 –T5
Ra Value	0.6 (axial) / 1.2(radial)
Tensile strength	150 Min Mpa
Hardness	60 BHN
Color code	Blue (RAL 5012) other colors are optional
Tolerance	Tolerance Std.IS2763, IS3965, EN-755-2

Stainless Steel Piping

Technical Specification

FITTINGS	
Material Of Construction	SS304/SS316/SS316L
Connection Type	Press Fit
Certification	ISO
Max.Working Pressure	20 bar
Plant Testing Pressure 1 hr at 20 degree C	1.5 times the working pressure
Quality testing Pressure 1 hr at 20 degree C	20 bar
Continuous Service Temp Limit	90° C
Max Peak Temp	90° C
O Ring & Lip Gasket Material	HNBR/EPDM
Thread Standard	BSP (Metric)/NPT
Fitting Body Surface Treatment	Natural
Manufacturing with safety norms	CE

TUBES	
Materials specification	SS304/SS316/SS316L.
Ra Value	0.1 μ
Tensile strength	505 Min Mpa
Hardness	201 BHN
Tolerance	Tolerance Std.IS2763, IS3965, EN-755-2



Quickair™
Press Fit Piping System
Stainless Steel

**Modular Stainless
Steel Piping System**

PRINCE
ONEFIT
CPVC Industrial Piping Systems

Super resistance to corrosive chemicals high temperature and elevated pressures



Corzan
MATERIAL & PIPING
SOLUTIONS

WE ALSO DEAL IN PRINCE - CORZAN ONEFIT SOLUTION

Introducing a revolutionary product,
Prince Onefit with Corzan® CPVC technology in
association with Lubrizol.

Lubrizol is a pioneer in safe and ultra-modern CPVC pipes technology. Lubrizol CPVC product is known globally as the cornerstone of performance par excellence. Lubrizol has always believed in providing indispensable industrial solutions to manufacturers and production engineers. Their patented corzan compound composition is chemical corrosionresistant, heat-cold stable and highly durable.



KEY FEATURES

- Made to meet high-temperature and high pressure demands of most piping systems in Industrial domain.
- Excellent resistance to broad range of corrosives, which makes it ideal for transmission of Chemicals
- The industry's first and only SCH40/SCH80 piping system made from fully pressure rated Materials
- Increased durability due to cell class of 24448 providing high impact strength and high Distortion at 111°C



Chemical
Processing



Power
Generation Industry



Chlor-alkali
processing Industry



Mineral
Processing Industry



Wastewater
treatment Plants

Applications

PRINCE MAKE - PPR GREENFIT PIPE & FITTINGS

Greenfit PPR Plumbing & Industrial Piping systems have superior characteristics to withstand working temperatures up to 95°C along with excellent chemical resistance as well as providing a definite solution to oxidation and calcification. Therefore, PPR is an ideal material for hot & cold water plumbing systems in buildings & Industrial piping installation ensuring high quality performance.

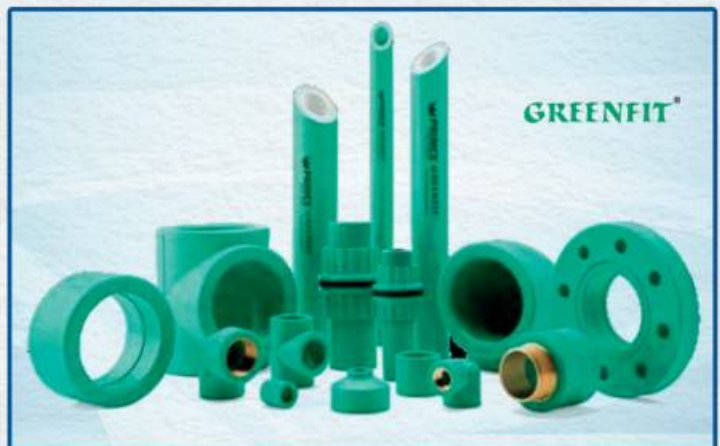
Pipes: 20 to 160 mm Single layer & Triple layer

Fittings: 20 to 160 mm

Coil Pipe: 20 & 25 mm

Submersible Delivery Pipe: 90 & 110 mm

Application note: Insulation is necessary at Sub Zero Temperature.



Indoor & outdoor installations of hot & cold water piping systems in residential, commercial & buildings



Heating system inside buildings including floor, wall & radiator heating



Drinking water & liquid food transportation



Solar water heating systems



Aggressive Chemicals & Pharmaceuticals Piping systems for conveyance of aggressive fluids in Industries

Application note: Insulation is necessary at Sub Zero Temperature.



Compressed Air Lines



Chemical Transport*



Hot and Chilled Water Application



Effluent Treatment Plant (ETP)



Ship Building and Swimming Pools



RO Water Pipeline



Solar Water Heating Systems



Heating System Inside Building Floor, Well and



Liquid Food Transportation



Pharmaceuticals and Food Grade Applications

Compressed air, one of the major sources of industrial energy is being used increasingly in manufacturing and process industries. Modern process equipment, pneumatic controls and instruments need clean and uncontaminated air supply for their smooth functioning. In the past few decades, development of more advanced-design compressors and ancillary equipments was heavily felt. So, what we need is a new-age solution for compressed air and vacuum lines. Blue Greenfit industrial piping systems. Made of Polypropylene Random Copolymer (PPRC or commonly known as PP-R material) which can withstand temperatures from -0°C up to 95°C. Blue Greenfit is at par with global industry standards and is ideal for pneumatic applications.

Pipes: 20 to 160 mm as per PN 10 & PN 16 PN 20

Fittings: 20 to 160 mm as per PN 20 & PN25

Coil Pipe: 20 & 25 mm

Submersible Delivery Pipe: 90 & 110 mm



PRINCE[®]

PIPING SYSTEMS



**ZERO DEFECT
CHOICE**



**INDUSTRYGENIX
ENGINEERING**



FLOWGUARD PLUS[®]

CPVC PLUMBING SYSTEMS

Product Range:

Pipes: 15 to 250mm (1/2" to 10")
Fittings: 15 to 150mm (1/2" to 6")



EASYFIT[®]

UPVC Plumbing Systems

Product Range:

Pipes: 15 to 250mm (1/2" to 10")
Fittings: 15 to 150mm (1/2" to 6")



It's not too open & it's not too closed.



Recycled water
Not for drinking

EASYFIT RE[®]

Reclaim Piping Systems

Product Range:

Pipes: 15 to 250mm (1/2" to 10")
Fittings: 15 to 150mm (1/2" to 6")



EASYFIT iN[®]

UPVC Industrial Piping Systems

Product Range:

Pipes: 15 to 300mm (1/2" to 12")
Fittings: 15 to 300mm (1/2" to 12")



GREENFIT[®]

PP-R Plumbing Systems

Product Range:

Pipes: 20mm to 315mm
Fittings: 20 to 160mm | **Coil Pipe:** 20, 25, 32mm
Submersible Delivery Pipe: 90 & 110mm



ULTRAFIT[®]

SWR Piping Systems

Product Range:

Pipes: RR (Type A & B): 75 to 160 mm
SJ (Type A & B): 40 to 200 mm
Fittings: RR: 75, 90, 110, 160mm
SJ: 40 to 160 mm



SILENTFIT[®]

Low Noise SWR Systems

Product Range:

Pipes: RR: 75, 110, 160mm
SJ: 40, 50, 63, 75, 110, 160mm
Fittings: RR: 75, 110 & 160mm
SJ: 40, 50, 63, 75, 110, 160mm



RAINFIT[®]

Roofwater Systems

Product Range:

Pipes: Half Round Pipes: 140, 180, 250mm
Down take Pipes: 75, 110mm
Fittings: 75, 110, 140, 160, 180, 250mm



FOAMFIT[®]

Underground Drainage Piping Systems

Product Range:

Pipes: 110, 160, 200, 250, 315mm
Fittings: 110, 160, 200mm



DRAINFIT™

UPVC Underground
Drainage Piping Systems

Product Range:

Pipes: 110 to 400 mm

Fittings: 110 & 160 mm



STOREFIT™

Paani Ka Bank

Product Range:

500, 750, 1000, 1500, 2000,
3000, 5000 & 10,000 Litres

*T & C Apply



CORFIT®

Underground Double Wall
Corrugated Pipes

Product Range:

Pipes: 100 to 1000mm

Fittings: 100 to 500mm



PE Fit AQUA™

HDPE PIPING SYSTEMS

Product Range:

Pipes: 20 to 315mm



AQUAFIT®

Agriculture Piping Systems

Product Range:

Pipes: 20 to 400mm

Fittings: 20 to 250mm

Fabricated Fittings: 20 to 400mm



CIRCLIP INSIDE

SAFELIT®

Borewell Systems

Product Range:

Screen Pipes: 40 to 250mm

Casing Pipes: 32 to 250mm

Rising Main Pipes: 25 to 100mm

Bell Form Pipes - V4: 25, 32, 40mm



GeM
Government
e Marketplace

Industrygenix Engineering
GeM Seller Id: 5WFE220007040112



Thank
YOU

CONTACT



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Office no: 020 40058620



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Stores: Survey no. 5/4, Vithalwadi Bypass Road, Dehugaon, Pune, MH-412109
Production: Foundry at Rajkot, assembly at Valsad



INDUSTRYGENIX
ENGINEERING

IGE PUMPS

