

# UPVC COLUMN PIPE

"Experience the Difference, The Ultimate Choice for Your Water Needs!"

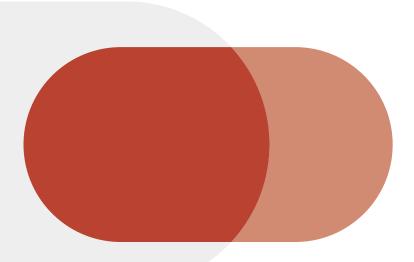
# ABOUT NIAGARA

NIAGARA has been one of the leading piping manufacturers offering viable solutions to its customers and associates over the past 25 years and continues to do so exceptionally.

With all the support that we received from them, Niagara is able to grow substantially and offer a wide range of products such as UPVC plumbing pipes, UPVC column pipes, reinforced braided hose pipes, PVC reinforced suction pipes, delivery hose pipes and all types of soft PVC pipes. NIAGARA pipes have been consistently contributing to offer innovative solutions in the fields of solar, wastewater, building, pharma, oil & gas, chemical, power, machine tool, paper & pulp, mining, process industries, agriculture, residential, community water supply, food & beverage by researching and understanding fluid management over these years.



Our team works round the clock to bring innovation and quality before we deliver our products.





#### Quality

We consistently foster a trustworthy relationship with our customers by offering

We ensure superior quality checks before delivering the final product.

#### **Durability**

We aim at manufacturing and delivering a durable product that lasts longer

#### **Flexibility**

Our products are designed to be flexible and resilient for swifter operational use

#### **Multiple options**

Our products are designed to be flexible and resilient for swifter operational us





## OUR VISION

We aim to offer innovation and elite-class solutions in the fluid management industry with our creative and feasible piping products. We will make the world a better place by contributing our best in the water management for our customers, associates and communities

# OUR MISSION

Established in 1997, NIAGARA holds a firm mission of working ethically and offering superior quality piping solutions to the nation and worldwide. We have a few and simple values that make us one of the most reliable manufactures in the piping industries:



To contribute top-of-the-line products in the piping industry



To bring innovation in the operational fields of fluid management



To utilize state-of-the-art technology in manufacturing valuable integrated products

To offer quality and values that touch multiple lives and ensure the comfort of customers To reduce carbon footprints and inculcate unconventional ways in our practices

#### WHY

Not just employing quality, we, at NIAGARA work around all the spheres of humankind. We hold vast infrastructure and state-of-the-art technology to manufacture the products and uplift the conventional ways of working for our experts. Moreover, we create and induce valuable products to ensure maximum customer satisfaction by doing frequent quality checks. With a huge plethora of products, we have been able to help our associates lead exceptionally. We abide by simple values which are: to foster trust, provide quality, practice integrity and support innovation which make us one-of-a-kind in our own way.

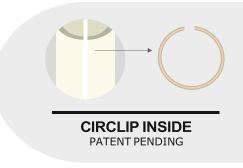


NIAGARA pipes for water delivery and distribution guard the most essential element of this planet. They are serving very efficiently to enhance the utility of water.

Their High endurance, light in weight but heavy in workload, construction is protected from corrosion and UV light, too. Experience highly reliable materials with easy installation with minimum cost.

NIAGARA Pipe's locking system is specially designed with a unique (Polyimide Locking System™) solution which has tremendous tensile strength, high-temperature resistance, and Reliability. So that pipes are capable to handle high hydrostatic pressure as well as vertical tensile load.





NIAGARA Pipes are developed with a specialized formulation that ensures that the threads do not get too brittle, don't break easily, and have less chip formation, even after they are readily loosened and tightened multiple times. High-quality raw materials are processed through our fully automated Extruder Machine to make highly resilient pipes that live up to our high testing.

To ensure a 100% leak proof joint, we have included a specially engineered Rubber Ring that prevents any liquid spillage and air loss.

NIAGARA Pipe's threads are threaded in such a way that it ensures proper grip and no slipping. Threads can withstand high friction on constant load and torque which are usually generated while operating the pump. They are processed on world-class 32 Axis PMC controlled CNC machines with best-in-class tools to ensure precise dimensions, good and easy fitment. All threads are checked thoroughly with fitment gauges to ensure accuracy.



## **APPLICATION**

- ◆ Highly reliable
   ◆ 15 to 25% extra water
- Cost-effective
- No electrolytic deposition
- Light in weight
   No corrosion & UV protected









#### Specifications of NIAGARA COLUMN PIPES

Sr. No.	Size	Туре	Diameter Nominal	OD in mm		End Thickness in mm		Barrel Thickness in mm		maximum delivery pressure	Pipe Length In mm	Thick Portion of Both side
			In mm (DN)	Min.	Max.	Min.	Max.	Min.	Max.	kgf/cm2		In mm
1	1	V4 Eco		32.80	33.10	3.50	4.20	1.50	2.20	12.50	3000 mm	150
2	1"	Medium	25	32.80	33.10	3.80	4.50	1.80	2.50	15.00	3000 mm	200
3	(33.00 mm)	Standard	23	32.80	33.10	4.30	5.00	2.30	3.00	30.00	3000 mm	200
4		Heavy		32.80	33.10	5.00	5.70	3.20	3.90	35.00	3000 mm	200
5		V4 Eco		41.80	42.10	4.10	4.80	1.80	2.50	12.50	3000 mm	150
6	1¼"	Medium	22	41.80	42.10	4.40	5.10	2.20	2.90	15.00	3000 mm	200
7	(42.00 mm)	Standard	32	41.80	42.10	5.10	5.80	3.20	3.90	25.00	3000 mm	200
8		Heavy		41.80	42.10	5.70	6.40	3.70	4.40	35.00	3000 mm	200
9		V4 Eco		47.80	48.10	4.55	5.25	2.30	3.00	12.50	3000 mm	150
10	41/11/40.00	Medium	1	47.80	48.10	4.80	5.50	2.75	3.45	15.00	3000 mm	200
11	1½" (48.00	Standard	40	47.80	48.10	5.40	6.10	3.90	4.60	26.00	3000 mm	250
12	mm)	Heavy		47.80	48.10	7.20	7.90	5.20	5.90	35.00	3000 mm	250
13		Super Heavy		47.80	48.10	7.80	8.50	6.00	6.70	40.00	3000 mm	250
14		V4 Eco		59.80	60.20	4.50	5.20	1.70	2.40	8.00	3000 mm	150
15	1	Medium		59.80	60.20	5.10	5.80	2.50	3.20	13.00	3000 mm	200
16	1/	Crystal	1	59.80	60.20	5.60	6.30	3.30	4.00	17.00	3000 mm	200
17	2" (60.00	Standard	50	59.80	60.20	6.40	7.10	3.80	4.50	20.00	3000 mm	200
18	mm)	Standard Plus		59.80	60.20	7.00	7.70	4.20	4.90	23.00	3000 mm	200
19		Heavy		59.80	60.20	7.80	8.50	5.20	5.90	27.00	3000 mm	250
20		Super Heavy		59.80	60.20	9.00	9.70	6.20	6.90	35.00	3000 mm	250
21	2¼" (63.00	Heavy		62.80	63.20	7.30	8.00	4.40	5.10	23.00	3000 mm	250
22	mm)	Super Heavy	50	62.80	63.20	8.70	9.40	6.00	6.70	32.00	3000 mm	300
23		Medium		74.80	75.20	5.00	5.70	2.50	3.20	10.00	3000 mm	200
24	1	Crystal	•	74.80	75.20	6.00	6.70	3.30	3.90	13.00	3000 mm	200
25	2½" (75.00	Standard	C.F.	74.80	75.20	6.50	7.20	3.90	4.60	16.00	3000 mm	250
26	mm)	Standard Plus Heavy	65	74.80	75.20	7.80	8.50	5.10	5.80	20.00	3000 mm	250
27	1			74.80	75.20	8.90	9.60	6.20	6.90	26.00	3000 mm	300
28		Super Heavy		74.80	75.20	10.50	11.20	8.10	8.80	35.00	3000 mm	300
29		Medium		78.80	88.20	5.60	6.30	3.10	3.80	11.00	3000 mm	200
30	311 (00 00	Standard		78.80	88.20	7.40	8.10	4.90	5.60	17.00	3000 mm	250
31	3" (88.00 mm)	Standard Plus	80	78.80	88.20	8.60	9.30	6.10	6.80	20.00	3000 mm	250
32		Heavy		78.80	88.20	9.70	10.40	7.20	7.90	26.00	3000 mm	300
33		Super Heavy		78.80	88.20	12.20	12.90	9.60	10.30	35.00	3000 mm	300
34		Medium		112.70	113.20	6.20	6.90	3.70	4.40	10.00	3000 mm	200
35	4" (113.00	Standard		112.70	113.20	8.10	8.80	5.60	6.30	15.00	3000 mm	250
36	mm)	Standard Plus	100	112.70	113.20	10.30	11.00	7.50	8.20	18.00	3000 mm	250
37		Heavy		112.70	113.20	12.10	12.80	9.30	10.00	26.00	3000 mm	300
38		Super Heavy		112.70	113.20	15.00	15.70	12.40	13.10	35.00	3000 mm	300
39	]	Standard	. □	139.70	140.20	10.20	10.90	7.50	8.20	16.00	3000 mm	300
40 41	5" (140.00	Standard Plus Heavy	125	139.70 139.70	140.20 140.20	13.20 15.20	13.90 15.90	9.70 11.80	10.40 12.50	20.00 26.00	3000 mm 3000 mm	300 350
42	mm)	Super Heavy		139.70	140.20	19.00	19.70	15.50	16.20	35.00	3000 mm	350
43		Standard		164.60	165.30	13.50	15.00	11.50	12.30	21.00	3000 mm	300
44	6" (165.00	Heavy	150	164.60	165.30	18.00	18.90	14.50	16.00	26.00	3000 mm	350
45	mm)	Super Heavy	-50	164.60	165.30	20.00	21.50	16.00	17.50	35.00	3000 mm	350



The Niagara Agri pipes come from the family of cost-effective products of NIAGARA Pipes. These pipes are non-conductive and UV stabilized that come in several ranges.

Get smooth flow with the convenient fitting options for uninterrupted operations with our wide range of products. Aqua Agri pipes offer a lightweight and easy-to- install experience.



#### **WATER SUPPLY**

#### **AGRICULTURE**

#### **SPRINKLER LINES**

#### **IRRIGATION**

**INDUSTRIAL PROCESS LINES** 

#### **DOMESTIC**

#### **APPLICATION**

- Irrigation
- Cable ducting
- Ventilation piping
- Slurry pipeline systems
- Industrial and construction sector
- Drinking water supply & distribution
- Distribution and water supply purpose in agriculture

#### **FEATURES & BENEFITS**

- High fluidity compared to G.I pipes of the same dimension
- Almost zero clogging
- Cost-effective
- Lower operational cost
- Bore diameter remains constant regardless of any external factor over its lifetime
- Lightweight which ensures less labor effort and faster installation
- Tremendous reliability (if operated under the company's standard working conditions)

#### **Specifications of NIAGARA AGRI**

	Wall Thickness										Min.	Socket						
Dian	ninal neter ID)		Outer eter Of mm)	0.25	ss 1 Mpa g/cm2	Clas 0.40 4.0 Kg	Мра	0.60	ss 3 Mpa g/cm2	Cla: 0.80 8.0 Kg			ss 5 Mpa g/cm2	1.25	ss 6 Mpa g/cm2		eter of oint of	Socket length
Inches	mm	Min.	Max.	Min.	Max.	Min.	Max.	Min	Max.	Min	Max.	Min	Max.	Min	Max.	Min	Max.	min.
1.25"	40.00	39.90	40.30	-	-	-	-	1.40	1.80	1.80	2.20	2.20	2.70	2.80	3.30	40.10	40.30	26.00
1.5"	50.00	49.90	50.00	-	-	-	-	1.70	2.10	2.30	2.80	2.80	3.30	3.40	4.00	50.10	50.30	31.00
2"	63.00	62.90	50.30	-	-	1.50	1.90	2.20	2.70	2.80	3.30	3.50	4.10	4.30	5.00	63.10	63.30	37.50
2.5"	75.00	74.90	75.30	-	-	1.80	2.20	2.60	3.10	3.40	4.00	4.20	4.90	5.10	5.90	75.10	75.30	43.50
3"	90.00	89.90	90.30	1.30	1.70	2.10	2.60	3.10	3.70	4.00	4.60	5.00	5.70	6.10	7.10	90.10	90.30	51.00
4"	110.00	109.90	110.30	1.60	2.00	2.50	3.00	3.70	4.30	4.90	5.60	6.10	7.10	7.50	8.70	110.10	110.30	61.00
4.5"	125.00	124.90	125.30	1.80	2.20	2.90	3.40	4.30	5.00	5.60	6.40	6.90	8.00	8.50	9.80	125.10	125.30	68.50
5"	140.00	139.80	140.40	2.00	2.40	3.20	3.80	4.80	5.50	6.30	7.30	7.70	8.90	9.50	11.00	140.20	140.50	76.00
6"	160.00	159.70	160.50	2.30	2.80	3.70	4.30	5.40	6.20	7.20	8.30	8.80	10.20	10.90	12.60	160.20	160.50	86.00
7"	180.00	179.70	180.50	2.60	3.10	4.20	4.90	6.10	7.10	8.00	9.20	9.90	11.40	12.20	14.10	180.20	180.50	96.00
8"	200.00	199.70	200.60	2.90	3.40	4.60	5.30	6.80	7.90	8.90	10.30	11.00	12.70	13.60	15.70	200.30	200.60	106.00
9"	225.00	224.60	225.60	3.30	3.90	5.20	6.00	7.60	8.80	10.00	11.50	12.40	14.30	15.30	17.60	225.30	225.70	118.00
10"	250.00	249.60	250.60	3.60	4.20	5.70	6.50	8.50	9.80	11.20	12.90	13.80	15.90	17.00	19.60	250.40	250.80	131.00
11"	280.00	279.60	280.60	4.10	4.80	6.40	7.40	9.50	11.00	12.50	14.40	14.40	17.80	19.00	21.90	280.40	280.90	146.00
12"	315.00	314.60	315.60	4.60	5.30	7.20	8.30	10.70	12.40	14.00	16.10	17.30	19.90	21.40	24.70	315.40	316.00	163.00







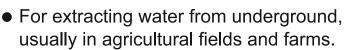
The Casing Blue pipes of NIAGARA are anticorrosive, which prevents the chemicals in the soil from affecting them. These pipes are exclusively designed to ensure clean and clear water from bore wells, whether shallow or deep.

Experience commendable chemical resistance along with easy handling, transportation, and installation with our blue casing pipes.





#### **APPLICATION**





- Borewell piping on commercial buildings and construction sites.
- For water connections in public places.

#### **FEATURES & BENEFITS**

- No scaling formation due to its superior resistance to most chemicals.
- Long-lasting.
- Almost maintenance-free.
- Bore diameter remains constant over time regardless of any factors.
- Transporting, storing, & installing is hassle-free and super convenient.
- Requires lesser labour effort.
- High flow capacity & clogging resistance make it a more suitable option than G.I. pipes

#### **Specifications of NIAGARA AQUA-CASE**

Dimensions of Medium Well Casing (CM) & Shallow Well Casing (CS) Pipes													
NIAGARA Aquacase				Deep Well Casing (CD) Pipes			Medium Well Casing (CM) Pipes			Shallow Well Casing (CS) Pipes			
	Nominal Nominal Diameter Of Pipe (mm)		Minimum Outer Diameter Over Connecti on	r Wall Thickness (mm)		Minimum Outer Diameter Over Connection	Wall Thickness (mm)		Minimum Outer Diameter Over Connecti on	Wall Thickness (mm)		Length In Mtr.	
Inches	mm	Min.	Max.	Max.	Min.	Max.	Max.	Min.	Max.	Max.	Min.	Max.	Length
1 1/2	40.00	48.00	48.20				52.00	3.50	4.00				3 Mtr.
2	50.00	60.00	60.20				65.00	4.00	4.60				3 Mtr.
3	80.00	88.00	88.30				94.00	4.00	4.60				3 Mtr.
4	100.00	113.00	113.30	125.00	7.50	7.90	120.00	5.00	5.70				3 Mtr.
4 1/2	115.00	124.80	125.30	137.00	7.50	8.50	136.00	6.00	6.70				3 Mtr.
5	125.00	140.00	140.40	152.00	8.00	9.00	150.00	6.50	7.30	•••••			3 Mtr.
6	150.00	165.00	165.40	180.00	9.50	10.70	178.00	7.50	8.50	174.00	5.70	6.50	3 Mtr.
7	175.00	200.00	200.50	217.00	11.80	13.60	215.00	8.80	9.80	211.00	7.00	7.80	3 Mtr.
8	200.00	225.00	225.50	247.00	13.00	14.80	243.00	10.00	11.20	238.00	7.60	8.80	3 Mtr.
10	250.00	280.00	280.50	304.00	16.00	17.60	298.00	12.50	14.00	292.00	9.60	11.00	3 Mtr.
12	300.00	330.00	330.60	359.00	19.00	21.00	352.00	14.50	16.20				3 Mtr.





NIAGARA uPVC Plumbing pipes have exceptional properties like corrosion-free, lead-free and UV stabilized to ensure they stay robust for a longer period. These pipes are weather resistant, easy to install and inert to chemicals.

Due to the smooth inner surface of NIAGARA uPvC plumbing pipes, the water supply would become swifter leading to no scaling inside the pipes.

















- Reverse osmosis plant & industrial D.M. plants.
- Constructional buildings & residential homes.
- Public utilities and swimming pools.
- For terrace, down take & concealed looping.
- Cold water application (both indoor & outdoor).

#### **FEATURES & BENEFITS**

- Our AquaFlow pipes are lead free which ensures safe drinking water.
- High corrosion resistance.
- Strong & light weight.
- High reliability.
- Best quality performance at low temperatures.
- Best-in-class impact resistance.
- Quick and easy installation.

#### Specifications of NIAGARA PLUMBING PIPES

Specifications of Plumbing Pipes Schedule 40									
Nominal	Diameter (ND)	Average Outer Diameter (mm)	Averagewall thickness (mm)	Max. work pressure rating (kg/cm2) at 23°C					
INCH	ID in mm								
1/2"	15	21.34	2.77	42.22					
3/4"	20	26.67	2.87	33.75					
1"	25	33.4	3.38	36.61					
1 1/4"	32	42.16	3.56	26					
1 1/2"	40	48.26	3.68	23.25					
2"	50	60.32	3.91	19.68					
2 1/2"	65	73.02	5.16	21.11					
3"	80	88.9	5.49	18.25					
4"	100	114.3	6.02	15.5					

Specifications Of uPVC Pipes Schedule 80										
Nominal	Diameter (ND)	Average Outer	Average wall thickness	Max. work pressure						
INCH	ID in mm	Diameter (mm)	(mm)	rating (kg/cm2) at 23°C						
1/2"	15	21.34	3.73	59.76						
3/4"	20	26.67	3.91	48.54						
1"	25	33.4	4.55	44.26						
1 1/4"	32	42.16	4.85	36.61						
1 1/2"	40	48.26	5.08	33.04						
2"	50	60.32	5.54	28.14						
2 1/2"	65	73.02	7.01	29.57						
3"	80	88.9	7.62	26						
4"	100	114.3	8.56	22.54						





**An ISO 9001 Certified Company** 

# NIAGARA PUMPS INDIA LLP

PUMPS | MOTORS | SOLAR PUMPS | PIPES | CABLES

PLOT NO. 3, 4 & 5, RADHE INDUSTRIAL ESTATE, ZAK-KADADARA ROAD, VILLAGE: ZAK, TA: DEHGAM, DIST: GANDHINAGAR-382305, GUJARAT, INDIA. +91 9824065276, +91 8128814660

www.niagarapumps.com

contact@niagarapumps.com, marketing@niagarapumps.com