

ATLAS POWER

اطلس پاور

COMPANY PROFILE

ATLAS POWER

اطلس پاور

A PRODUCT OF ATLAS POWER CAMPANY

“ STRENGTH,QUALITY,TRUST ”

WELCOME

Welcome to Atlas Power - A Leader in the PVC Industry

Greetings,

We are delighted to welcome you to Atlas Power, a premier name in the PVC industry in Kabul, Afghanistan. Established with a commitment to excellence and innovation, Atlas Power has emerged as one of the best companies, setting high standards in quality and customer satisfaction.

At Atlas Power, we take pride in our position as an industry leader, offering top-notch PVC solutions that cater to a diverse range of needs. Our commitment to quality, coupled with a relentless pursuit of innovation, has made us a trusted partner for businesses and individuals alike.

Conveniently situated in the heart of industrial parks, our main office serves as the hub for our operations. This strategic location reflects our dedication to accessibility and efficiency, ensuring seamless interactions and services for our valued clients.

Our journey is defined by a dedication to excellence, sustainability, and customer-centric values. We strive to not only meet but exceed the expectations of our clients, delivering products that stand the test of time and contribute to the success of their endeavors.

Whether you are in need of cutting-edge PVC products or seeking reliable solutions for your projects, Atlas Power is your go-to partner. Our comprehensive range of services is designed to cater to the dynamic needs of the industry, providing solutions that empower businesses and individuals alike.

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ABOUT US

Since the first days of formation and till today the basic purpose of «Atlas Power PVC Pipe» is producing to requirements of the world standards with use of High Technologies, in accordance with wishes of consumers.
We hope that in near future, due to national technologies, products which are manufactured by our company will capture not only domestic, but also international market.
Presenting to your attention new quality products, we hope, that you will pay attention to difference of their quality from similar products.
In this booklet you will find all information that may be interesting to you, related to release and exploitation of PVC Pipes and fittings.

VISION

We aspire to actively contribute to the country's growing economy and enable it to be self-sufficient in its PVC & UPVC requirements.
Our vision is to become the leader in the field of PVC piping system, through the restless process of transforming innovative idea into amazing realities.

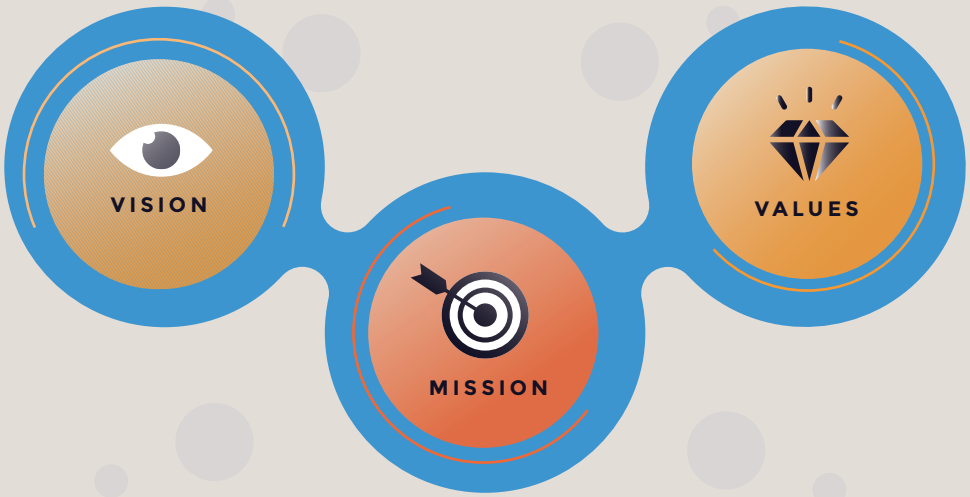
MISSION

Our mission is to become a market leader by being one of the providers of the best quality products through applying continuous expansion, applying new technologies, better business practice meeting market expectations and achieving total customers satisfaction.

VALUES

Atlas Power manufacturing Company through years of hard work has garnered goodwill in the market. APP upholds the values like quality, honesty, teamwork and integrity. We will achieve highest costumes satisfaction by:

- Consistently providing products of superior quality.
- Valuing our costumers' requirements and offering them exceptional service quality.
- Continuously Improving our products and process.





CUSTOMER SATISFACTION

Focused on our customer's needs we provide integrated logistics solutions of outstanding quality and operational excellence.
To become the most reliable and extension of your business supported by our committed and dedicated professional team with 7/24 reach.



FOUNDER MESSAGE



Alongside a line of celebrated devices that human kind has invented to serve our needs arising with development and progress, pipes rank amongst the most essential innovations of and for our civilizations The denser the population, the more our all health and wellbeing that of our economies and not least of our environment depend on functioning piping systems: With them we transport water to and from homes, to dry areas for irrigation, from roads, tunnels and bridges for drainage, to and from industries, and for producing green energy.

Over the past years, people have been employing different materials for pipe systems with growing number of the population in cities, the increasing scarcity of resources, and the emanating need to tap the full potential of our devices, pipe materials have been improved and new ones have found or even created to suit the ever tightening demands and requirements regarding the products' characteristics in Afghanistan.

SHAD MOHAMMAD HAJIZADA

CEO

As Pipe System producer, ATLAS POWER belongs to the pioneers of revolutionary developments in piping in Afghanistan. Assuming responsibility, we have made it our business to continue creating innovative products and systems, and to respond to our customers' needs even better by providing custom-made solutions while respecting our environment.

We are proud of the fact that we actively take part in improving the quality of life around the Afghanistan. Doing so, we live by our carefully chosen motto and are convinced that together we can make things happen and hope for a brighter future of our Country. Hoping for a bright future Long Live Afghanistan.



OUR PRODUCTS

Atlas Power has carved a niche for itself in Afghanistan. It is a name that stands for quality. We believe in going the extra mile and satisfying our customers' requirements.
Hence, we do no stop with supplying products; we ensure that they are delivered in time, at a destination of your choice. Our team of expert helps to streamline the purchase process for you, making it a hassle-free experience.

Atlas Power manufacture

Atlas Power Manufactur UPVC, & PVC Pressure, Non pressure, Sewerage, Soil, Drain, Ventilation,
Conduit pipes & fittings of the highest quality.

APP recently Could successfully run production of PVC Decks and
PVC Ceiling panels for the first time In Afghanistan. Besides serving Afghanistan throughout manufacturing activities Atlas Power As grou p with coordination of two other joined partners Hajizada Carvan Ltd & TFPC offer the Complete set of Building and Plumbing materials from world top leading companies.



UPVC



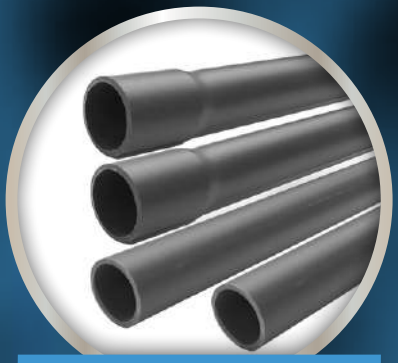
PVC Pressure & Non pressure



Sewerage Pipe



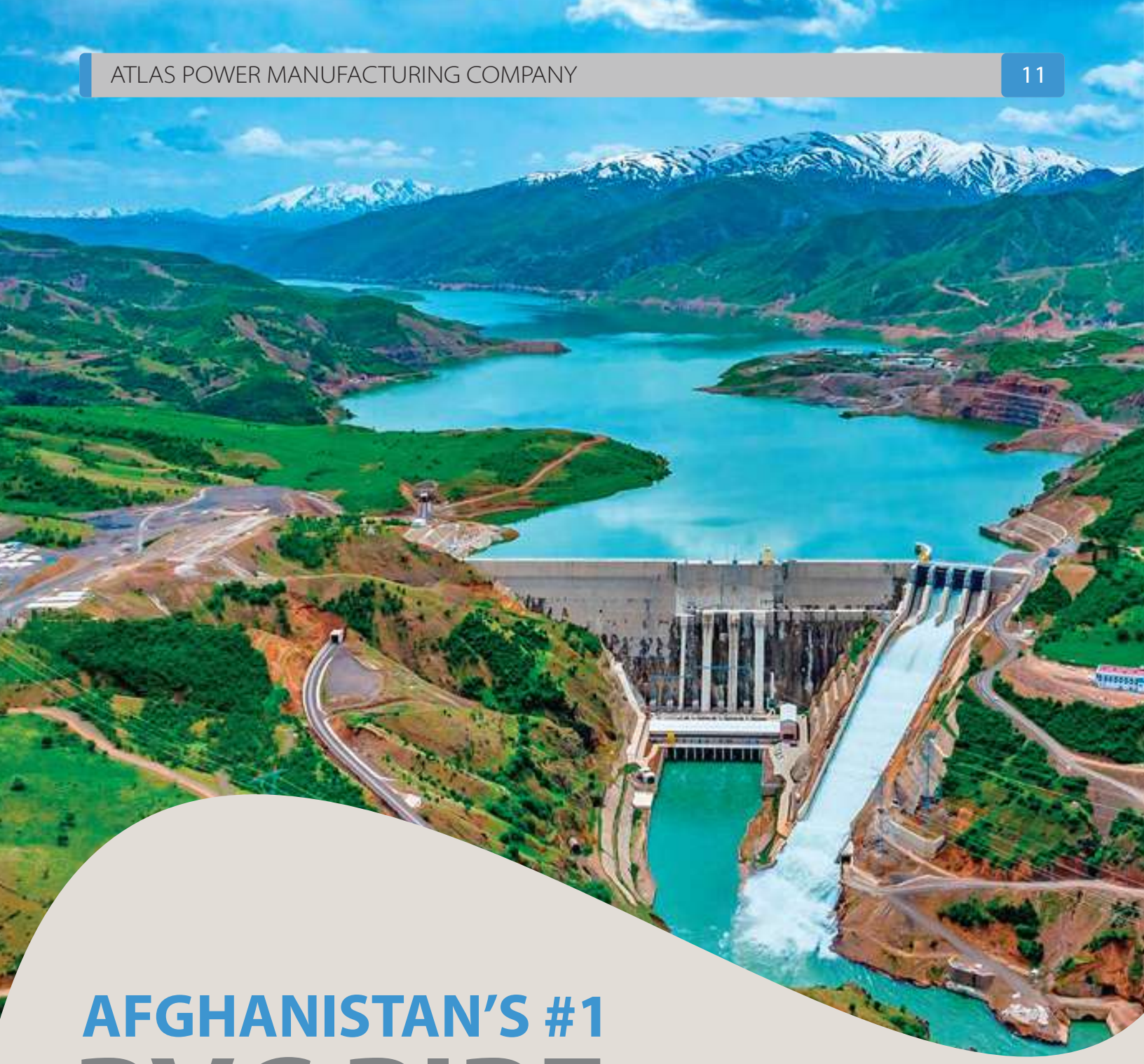
UPVC Fittings



Conduit pipe



Electrical Fittings



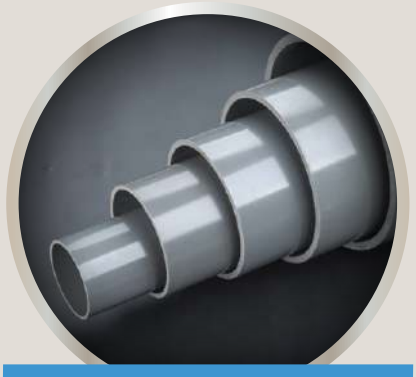
AFGHANISTAN'S #1

PVC PIPE

MANUFACTURING COMPANY

STANDARD & RANGE OF ATLAS PRESSURE & NON PRESSURE PIPES

Atlas UPVC & PVC Pipes are manufactured in the following standard and range. Nominal Diameter: From 4/ 1" to 24" Sustanined working pressure upto 15 bar (150 meter head of water) Atlas UPVC & PVC Presuure, Non Pressure, Sewerage, Soil, Drain, Ventilization & Conduit Pipes are available in any length provided that the order in not less than 200 meters. The Pressure Pipes in Supplied in Plain, Z-Joint and socketed ends with or without provision or rubber rings.



PRESSURE PIPE

- BS-3505-86-Class B, C, D & E
- ASTM-D-1785-94 Sch 40, Sch 80 & Sch 120
- PSI-3051 -1991 DIN 8061 and DIN 8062



NON PRESSURE PIPES

- BS-3505 Class O
- DIN 19534



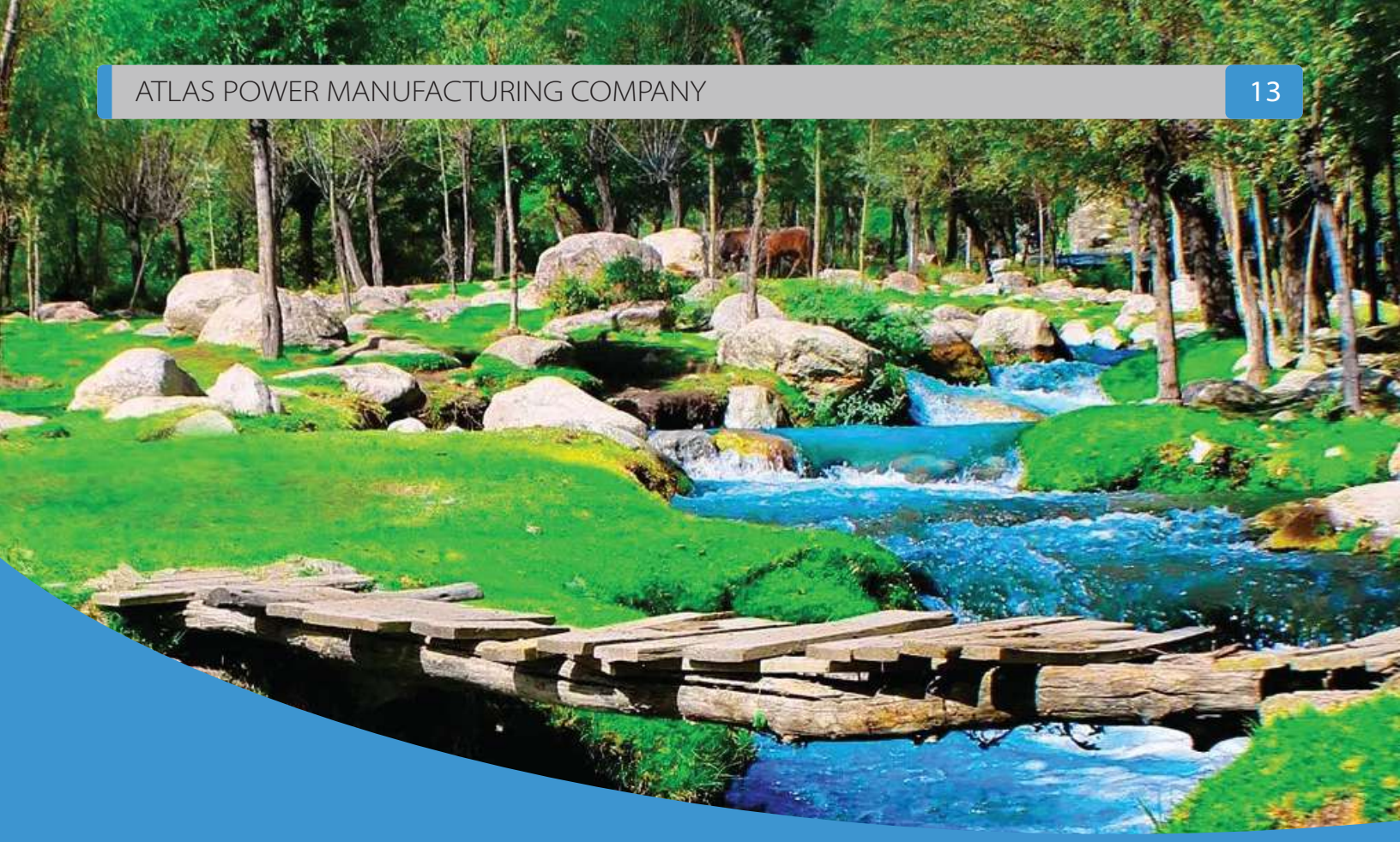
SEVERAGE, SOIL DRAIN & VENTILIZATION

- ASTM D-2241 SDR Series
- ASTM D-2665 DWV
- BS-5255 Thermoplastic Waste Pipe
- BS-4514 Soil and Ventilization
- BS-4660 & 5481Underground Sewerange



FOR ELECTRIC SUPPLY

- BS-6099
- NEMATC-2, TC-4 TC-B
- ASTM F 512 & ANSI/UL 651



PVC AS VERSATILE MATERIALS

Poly Vinyl Chloride (PVC) is the most widely used polymer in the whole range of plastic materials. The main reasons for the versatility of this thermoplatic material may be summarized as:

STRENGTH OF THE RAW MATERIALS.

OVERALL REASONABLY GOOD PHYSICAL PROPERTIES MECHANICAL, OPTICAL AND ELECTRICAL.

ITS RANGE OF USEFUL PROPERTIES MAY BE EXTENDED BY THE USE OF ADDITIVES.

IN SOME RESPECTS PVC HAS OUTSTANDINGLY GOOD PROPERTIES, E.G. FIRE RESISTANCE, ABRAISON RESISTANCE.

LIGHT WEIGHT, EASY TO HANDLE.



U-PVC PIPES

Due to good chemical resistance, burst strength, less friction compared to metal pipes, PVC pipes can be used with advantages for drainage, portable water supply, transportation of chemicals, gases & agriculture use. Rigid PVC Pipes being used for above applications and rain water systems, guttering, cable sheeting (for protecting against moisture, mechanical damage and chemical attack).

QUALITY ASSURED PIPES BY APP

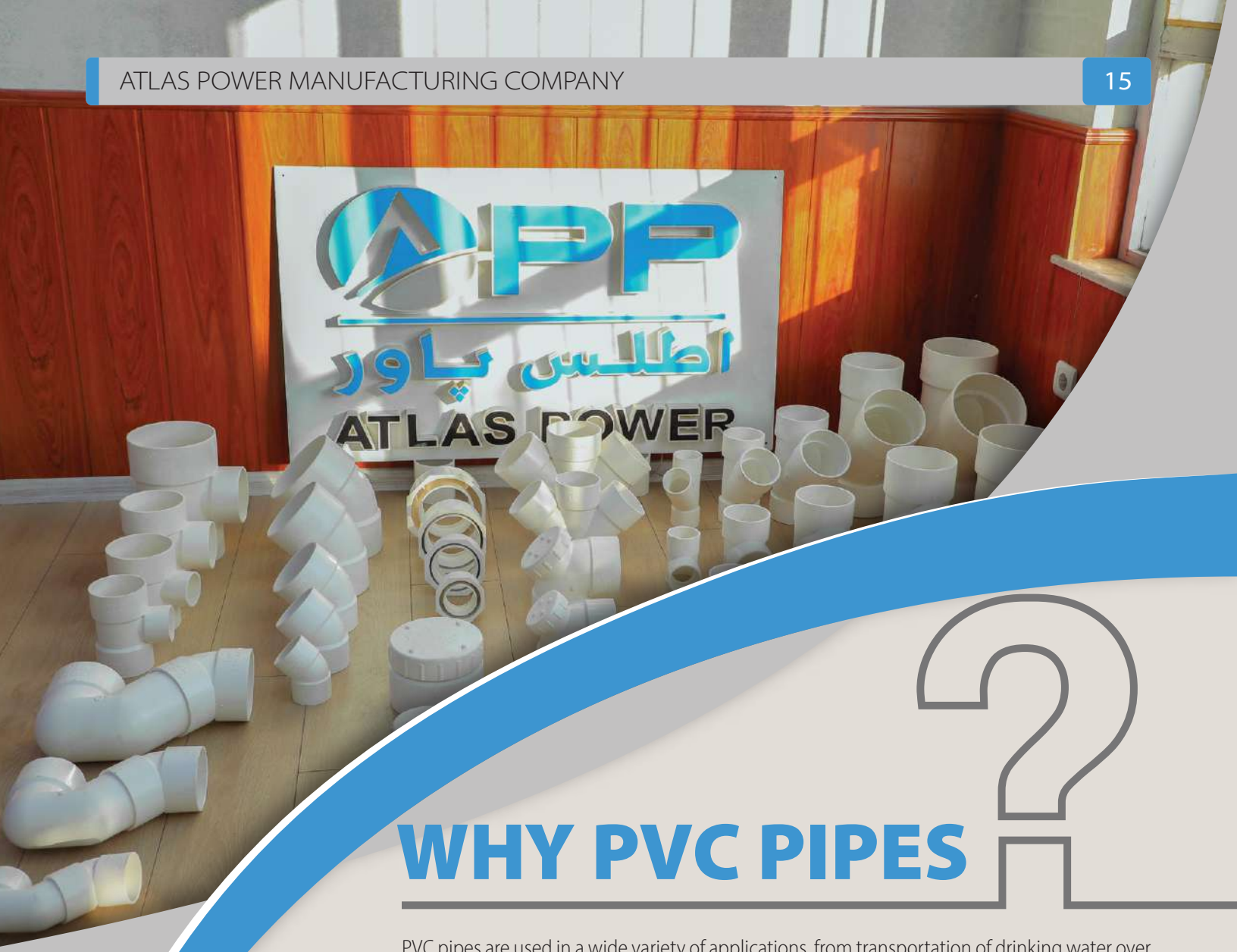
We have been involved in the PVC & UPVC industry since 2009 & developed very strong relationship with the valued customers through confirming high quality with precision. As top classes maker of PVC, UPVC and CPVC Pipes, we are ready for providing best quality products and services to our customers.

Customers can be confident that ATLAS POWER PVC PIPES (APP) has the full capacity 7 capability to manufacture pipes which not only comply with the relevant National, Internatioanl and british Standards but also meet its own strict criteria of consistent high quality and performance.

To ensure high standards, ATLAS POWER PVC PIPES (APP) follows a policy of using best quality raw material formulations. This formulation is mixed in fully automatic hot & cold turbo mixer with pneumatic and hydraulic control actuation & automatic feding to the extruders.

Thus giving an advantage to produce homogeneous, quality raw materials for the production of High Standard Pipes without any hazards for human life. High Standard PVC, UPVC and CPVC pipes are manufactured under well skilled & trained operators, with supervision & full technical support of Engineers.

High Standard PVC, UPVC and CPVC pipes are vigorously inspected on line and tested. Quality Control & Assurance is our Prime importance.



WHY PVC PIPES

PVC pipes are used in a wide variety of applications, from transportation of drinking water over drainage solutions to advanced fire-sprinkler systems. This popularity owes to a unique combination of properties: safety, durability/cost-efficiency, environmental performance and recyclability.

PVC PIPES ARE SAFE

PVC pipes are a safe choice for transportation of drinking water. This is due to their high degree of inertness and resistance to corrosion. PVC pipes are therefore free from bio-film contamination that can be a breeding ground for bacteria. By helping provide clean water, PVC pipes are beneficial to public health.

PVC PIPES ARE COST-EFFICIENT

PVC pipes are a safe choice for transportation of drinking water. This is due to their high degree of inertness and resistance to corrosion. PVC pipes are therefore free from bio-film contamination that can be a breeding ground for bacteria. By helping provide clean water, PVC pipes are beneficial to public health.

BEST CHOICE FOR THE ENVIRONMENT

PVC pipes have clear environmental advantages over traditional materials. As PVC is a low carbon plastic, PVC pipes require less energy and fewer resources to manufacture. Due to their low weight, less energy is used when transported. PVC pipes last long with a minimum of maintenance and they are easily recyclable. Many new PVC pipes contain recyclates. For instance three-layer pipes where the core layer is made of recycled PVC. Moreover, the ultra-smooth surface of PVC pipes reduces pumping costs and energy use, and their leak-free fittings eliminate water loss. This is good for both the environment and the utility bill.

PVC PIPES ARE RECYCLABLE

PVC pipes are easily recyclable and can be recycled several times without losing their technical properties. Each year around 50,000 tonnes of PVC pipes are recycled in Europe through the VinylPlus® programme. This recyclate is used to manufacture new pipes and a range of other PVC products. Traceability and certification schemes for recyclates ensure a high degree of safety and quality for the recycled PVC.



LONG WORKING LIVE



COST EFFECTIVE



LEAAK-PROOF



LIGHT WEIGHT EASY TO TRASPORT

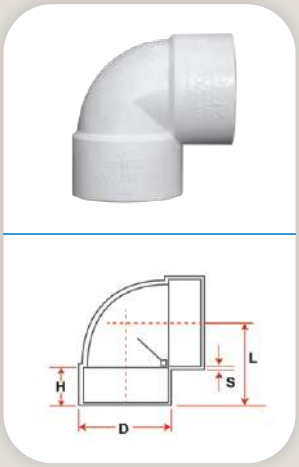


RUSTPROOF MATRERAIL



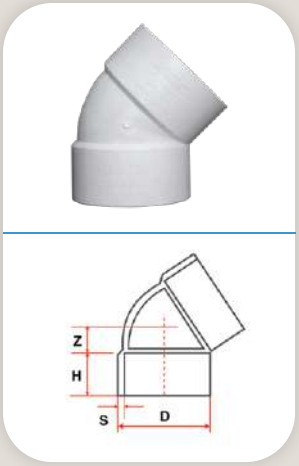
ENSURES HIGHER FLOW

The specification ASTM D 2466 covers unplasticised polyvinyl chloride (UPVC) fittings for Drain, Waste and Vent applications.



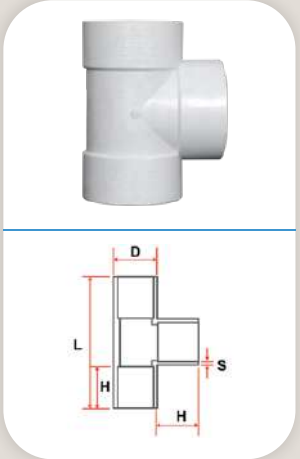
ELBOW 90 - SCH 40 D2466

Size Inch	D mm	L mm	Sl mm	H mm	S2 mm
2"	69.8	74	4.3	40	52
3"	99.8	94	4.9	48	5.5
4"	125.9	110	5.3	50	5.8
5"	157	137.50	5.40	65	5.30
6"	181.1	169	5.8	80	6.5



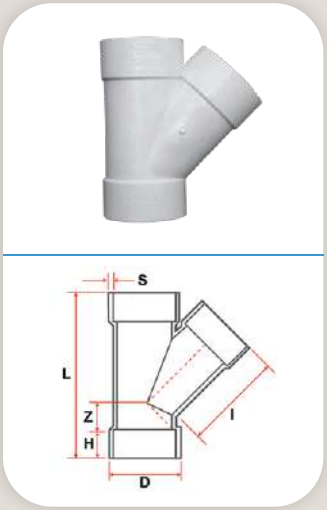
ELBOW 45 - SCH 40 ASTM D2466

Size Inch	D mm	Z mm	Sl mm	S2 mm	H mm
2"	69.8	65	4.3	5.2	40
3"	99.8	68	4.9	5.5	48
4"	125.9	76	5.3	5.8	50
5"	153.5	94	5.7	6.1	58
6"	181.1	120	5.8	6.2	80



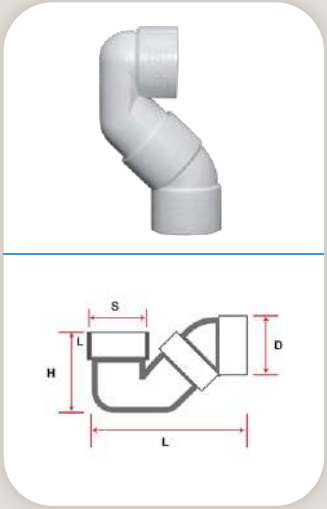
TEE 90 - SCH 40 D2466

Size Inch	D mm	mm	mm	S2 mm	H mm
2"	69.8	148	4.3	52	40
3"	99.8	188	4.9	5.5	48
4"	125.9	220	5.3	5.8	50
5"	157	290	5.30	5.70	60
6"	181.1	338	5.8	6.2	80



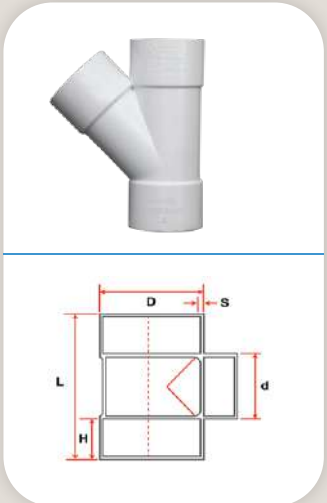
TEE 45 - SCH 40 D2466

Size Inch	D mm	I mm	S mm	H mm	Z mm	mm
2"	69.8	176	4.3	40	16	109
3"	99.8	220	4.8	48	16	158.2
4"	125.9	265	5.3	50	23.5	215.2
5"	157	390	5.9	70	40	253.7
6"	180.5	410.4	5.9	80	44	2864



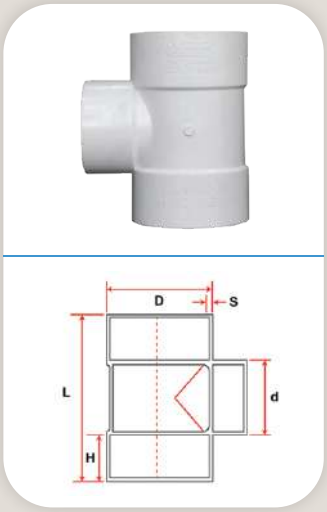
P-TRAP - SCH 40 ASTM D2466

Size Inch	D mm	L mm	S mm	H mm
2"	69.90	530	400	50
3"	99.8	94	4.9	48
4"	125.9	110	5.3	50



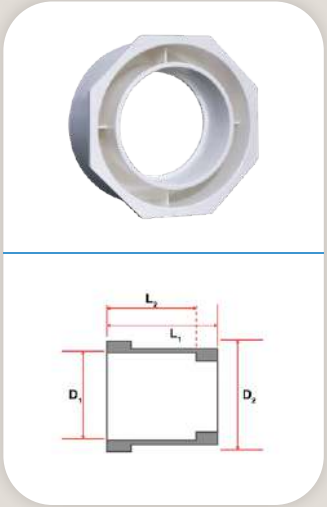
REDUCING TEE 45 - SCH 40 ASTM D2466

Size Inch	D mm	1 mm	S1 mm	S2 mm	D mm	H mm
3 X 2"	99.8	166	4.9	5.5	69.8	48
4 X 2"	125.90	200	5.3	5.8	69.90	50
4 X 3"	12S.9	200	5.3	5.8	99.8	50
6 X 4"	181.1	282	5.8	6.2	125.9	80



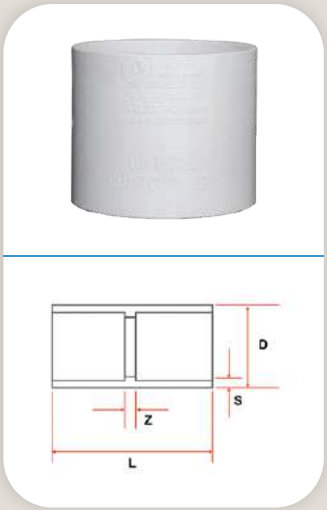
REDUCING TEE 90 - SCH 40 ASTM D2466

Size Inch	D mm	S1 mm	S2 mm	D mm	H mm
3 X 2"	99.8	4.9	5.5	69.8	48
4 X 2"	125.90	5.3	5.8	69.90	50
4 X 3"	125.9	5.3	5.8	99.8	50
6 X 4"	181.1	5.8	6.2	125.9	80



BUSH REDUCER - SCH 40 ASTM D2466

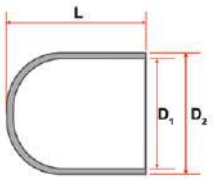
Size Inch	D mm	LI mm	SI mm	S2 mm	S3 mm	d mm	L2 mm
3 X 2"	89	54	4.2	4.7	4.8	69.9	40
4 X 2"	114.2	57	3.8	4.2	4.2	69.9	23.4
4 X 3"	14.2	57	3.8	4.1	4.5	79.6	48
4 X 5"	168	80	5.1	5.8	5.8	125.4	50
6 X 4"	168	80	5.1	5.8	5.8	125.4	50



SOCKET - SCH 40 ASTM D2466

Size Inch	D mm	L mm	S mm	Z m
2"	69.9	83	43	3.0
3"	99.8	99	4.9	3.0
4"	125.9	104	5.3	3.0
6"	168	180	7.1	20

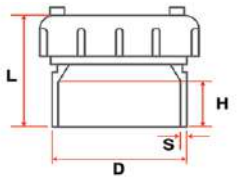




END CUP - SCH 40 ASTM D2466

Size Inch	D mm	LI mm	SI mm	S2 mm	S3 mm	d mm	L2 mm
2"	89	54	4.2	4.7	4.8	69.9	40
3"	114.2	57	3.8	4.2	4.2	69.9	23.4
4"	14.2	57	3.8	4.1	4.5	79.6	48
6"	168	80	5.1	5.8	5.8	125.4	50

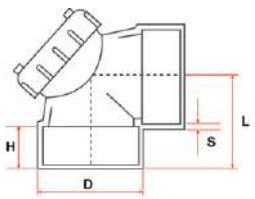




CLEAN OUT - SCH 40 ASTM D2466

Size Inch	D mm	LI mm	SI mm	S2 mm	S3 mm	d mm	L2 mm
2"	89	54	4.2	4.7	4.8	69.9	40
3"	114.2	57	3.8	4.2	4.2	69.9	23.4
4"	14.2	57	3.8	4.1	4.5	79.6	48
6"	168	80	5.1	5.8	5.8	125.4	50





PLUG ELBOW - SCH 40 ASTM D2466

Size Inch	D mm	L mm	SI mm	H mm	S2 mm
4"	125.9	110	5.3	50	5.8
3"	99.8	94	4.9	48	5.5

PVC STANDARD TABLES

TABLE -1

MAXIMUM SUSTAINED WORKING
& FIELD TEST PRESSURES AS PER 3505

WORKING PRESSURE

Class	Bar	Kgf/cm²	lbf/in²
B	6	6.12	87
C	9	9.18	130
D	12	12.25	173
E	15	15.30	217

TEST PRESSURE

Bar	Kgf/cm²	lbf/in²
9	9.18	130
14	13.77	195
18	18.38	259
23	22.95	325

TABLE -2

SHORT-TERM HYDROSTATIC PRESSURE RESISTANCE
AT 20^{0}C MAXIMUM 1 HOUR FAILURE PRESSURE

AS PER BSS 3505

Class of Pipe	Maximum 1hr failure pressure
6 bar Class-B	21.6 bar
9 bar Class-C	32.4 bar
12 bar Class-D	43.2 bar
15 bar Class-E	54.0 bar



AFGHANISTAN'S #1
PVC PIPE
MANUFACTURING COMPANY

ATMD 1785-94 & ASTM D 2665

Maximum sustained and burst pressure test conditions for water at 23 C° for UPVC Pipes.

SUSTAINED PRESSURE

Normal Pipe Size	Pressure required For Test PSI		
	Schedule 40	Schedule 80	Schedule 120
1/2	1250	1780	2130
3/4	1010	1440	1620
1	950	1320	1510
1 1/2	690	990	1130
2	580	850	990
3	590	790	930
4	470	680	900
6	370	590	780
8	330	520	760
10	300	490	770
12	280	480	710

BURST PRESSURE

Pressure required For Test PSI		
Schedule 40	Schedule 80	Schedule 120
1910	2720	3250
1540	2200	2470
1440	2120	2300
1060	1510	1720
890	1290	1510
840	1200	1420
710	1040	1380
560	890	1190
500	790	1160
450	750	1170
420	730	1090

PIPE DIMENTION FOR BS-3505 & PSI 3051 CLASSES B,C,D AND E

Normal Size	Mean Outside Diameter		Wall Thichness									
			Class B, 6.0 bar		Class C, 9.0 bar		Class D, 12.0 bar		Class E, 15.0 bar		Class O	
			Individual Value		Individual Value		Individual Value		Individual Value		Non Pressure	
	min	max	min	KG/M WEIGHT	min	KG/M WEIGHT	min	KG/M WEIGHT	min	KG/M WEIGHT	min	max
	mm	mm	mm		mm		mm		mm		mm	mm
3/8"	17.0	17.3	-	-	-	-	--	-	1.5	0.11	-	-
1/2"	21.2	21.5	-	-	-	-	-	-	1.7	0.15	-	-
3/4"	26.6	26.9	-	-	-	-	-	-	1.9	0.22	-	-
1"	33.4	33.7	-	-	-	-	-	-	2.2	0.32	-	-
1 -1/4"	42.1	42.4	-	-	-	-	2.2	0.41	2.7	0.50	-	-
1 -1/2"	48.1	48.4	-	-	-	-	2.5	0.54	3.1	0.65	1.8	2.2
2'	60.2	60.5	-	-	2.5	0.68	3.1	0.82	3.9	1.03	1.8	2.2
2 -1/2"	75.0	75.3	-	-	3.0	1.01	3.9	1.20	4.8	1.31	1.8	2.2
3"	88.7	89.1	2.9	1.17	3.5	1.41	4.6	1.82	5.7	1.58	1.8	2.2
4"	114.1	114.5	3.4	1.78	4.5	2.32	6.0	3.03	7.3	2.22	2.3	2.8
5"	140.0	140.4	3.8	2.44	5.5	3.49	7.3	4.55	9.0	3.65	2.6	3.1
6"	168.0	168.5	4.5	3.46	6.6	5.01	8.8	6.57	10.8	5.51	3.1	3.7
7"	193.5	194.0	5.2	-	7.7	-	10.1	-	12.4	-	3.1	3.7
8"	218.8	219.4	5.3	5.30	7.8	7.72	10.3	10.05	12.6	12.17	3.1	3.7
9"	244.1	244.8	5.9	-	9.7	-	11.5	-	14.1	-	3.1	3.7
10"	272.6	273.4	6.6	8.26	9.7	11.97	12.8	15.59	15.7	18.89	3.1	3.7
12"	323.4	324.3	7.8	11.55	11.5	16.85	15.2	21.91	18.7	26.68	3.1	3.7
12"	355.0	356.0	8.5	13.87	12.6	20.27	16.7	26.49	20.5	32.16	3.6	4.2
16"	405.9	406.9	9.7	17.90	14.5	26.43	19.0	34.15	23.4	46.61	4.1	4.8
18"	456.7	457.7	11.0	22.80	16.3	33.34	21.4	43.33	-	-	4.6	5.3
20"	507.5	508.5	12.2	22.08	18.1	41.16	-	-	-	-	5.1	9.
22"	558.3	559.3	13.4	34.02	22.9	49.80	-	-	-	-	5.3	6.1
24"	609.1	610.1	14.6	40.41	21.7	59.27	-	-	-	-	5.5	6.3



ATLAS TF Pipe lengths: 4m, 5m and 6m
ATLAS TF Pipe are normally socketed at one end (to suite either Rubber Ring or Solvent Cement joints) and with both ends plain also available.
ATLAS TF Pipe of nominal diameter above in vairous classes can be manufactured against specific orders.

WEIGHTS FOR BS-3505 & PSI 3051 CLASSE B,C,D AND E

Normal Size (Inch)	Class-B Kg/m	Class-C Kg/m	Class-D Kg/m	Class-E Kg/m
3/8	-	-	-	0.11
1/2	-	-	-	0.15
3/4	-	-	-	0.22
1	-	-	-	0.32
1 1/4	-	-	0.41	0.50
1 1/2	-	-	0.54	0.65
2	-	0.68	0.82	1.03
2 1/2	-	1.01	1.20	1.58
3	1.17	1.41	1.82	2.22
4	1.78	2.32	3.03	3.65
5	2.44	3.49	4.55	5.51
6	3.46	5.01	6.57	7.95
8	5.30	7.72	10.57	12.17
10	8.26	11.97	15.59	18.89
12	11.55	11.65	21.91	26.68
14	13.78	20.27	26.49	31.16

ASTM D 1785-94 , ASTM D 2665

The specification ASTM D 1785-94 & ASTM D 2665 covers unplasticised polyvinyl chloride (UPVC) pipes for Drain, Waste and Vent applications.
Outside Diameter. Wall Thickness & Tolerances for PVC Pipe Schedule 40 , 80 & 120

Normal Size	Mean Outside Diameter(mm)		Tolerances (mm) For Max & Min (Out of the roundness)		Wall Thickness (mm) Sch. 40		Sch. 80		Sch. 120	
	Min	Max	Sell. 40 sizes 4» and over Sch. 80 sizes 8» and over	Sell. 40 sizes 4» and less Sch. 80 sizes 8» and less	Min	Tolerance	Min	Tolerance	Min	Tolerance
1/2	21.24	21.24	-	+0.2	2.77	+0.51	3.73	+0.51	4.32	+0.51
3/4	26.57	26.77	-	+0.25	2.87	+0.51	3.91	+0.51	4.32	+0.51
1	33.27	33.53	-	+0.25	3.38	+0.51	4.55	+0.53	5.08	+0.61
1 1/2	48.11	48.81	-	+0.3	3.68	+0.51	5.08	+0.61	5.72	+0.68
2	60.17	60.47	-	+0.3	3.91	+0.51	5.54	+0.66	6.35	+0.76
3	88.7	89.1	-	+0.38	5.49	+0.66	7.62	+0.91	8.89	+1.07
4	114.07	114.53	+1.27	+0.38	6.02	+0.71	8.56	+1.02	11.10	+1.32
6	168.0	168.56	+1.27	+0.89	7.11	+0.86	10.97	+1.32	14.27	+1.7
8	218.7	219.46	+1.9	+1.14	8.18	+0.99	12.70	+1.52	18.24	+2.18
10	272.67	273.43	+1.9	+1.27	9.27	+1.12	15.06	+1.8	21.41	+2.56
12	323.47	324.23	+1.9	+1.52	10.31	+1.24	17.45	+2.08	25.40	+3.05

ASTM D 1785-94 , ASTM D 2665

TABLE OF PIPE WEIGHTS FOR SCH#40 / SCH#80 AM / SCH#120

S.NO	Normal Size (Inch)	Sch#40 Kg/m	Sch#80 Kg/m	Sch#120 Kg/m
1	3/8	-	-	
2	1/2	-	-	
3	3/4	0.425	0.525	
4	1	0.575	0.700	
5	1-1/4	0.788	0.750	
6	1-1/2	0.8750	1.200	
7	2	1.150	1.500	
8	2-1/2	-	-	
9	3	2.125	3.00	
10	4	3.125	4.125	
11	5	-	-	
12	6	5. 40	-	
13	8	8.500	12.17	
14	10	15.59	18.89	
15	12	21.91	26.68	
16	14	26.49	32.16	

ELECTRIC CONDUIT
SCHEDULE 40 & SCHEDULE 80

Schedule 40 and schedule 80 PVC rigid nonmetallic conduit is designed and produced for use in both above ground and underground installations.

- Ultraviolet Protection
- High impact and deformation properties
- Solvent cemented joints
- Superior Dielectric Strength
- Smooth Solid Wall
- Easy Installation

- Highest quality control standards
- Compliance Quality control standards
- Compliance to ANS/UL 651 and NEMA TC-2
- Rated for use with 90° C conductors
- Light Weight



SCHEDULE 40 AND SCHEDULE 80 SPECIFICATION
PVC CONDUIT IN ABOVE GROUND INSTALL ATION

Size	Maximum space Between Supports (FT) 5
1 -1/4 - 2	5
2 -1/2 - 3	6
3 -1/2 - 5	7
6	8

ANS/UL 651 NEMA TC-2

MECHANICAL PORERTIES	ASTM	TYPICAL VALUE
Specific Gravity	D 792	1.4-1.
Tensil Strength (PSI) @ 73.4°F	D 638	4800
Izod impact - ft lbs/in of notch	D 256	0.65- 1.50
Flexural Strength (PSI)	D 790	12,500
Comprehensive Strength (PSI)	D 695	9000
Hardness (Durometer D)	D 2240	95

THERMAL PROPRTIES	ASTM	TYPICAL VALUE
Coefficient of thermal expansion -in /in/°C	D 696	5.13 X 10-5
Coefficient of thermal expansion - in /in/°F	D 696	3.0 X 10-5
Deflection Temp °F Under Load@ 264 PSI	D 648	140 °F
Thermal Conductivity BTU (hr) (ft) {°F/in)	C 177	1.3

ELECTRICAL PORPERTIES	ASTM	TYPICAL VALUE
Dielectric Strenght - volts/mil	D 149	1,100
Dielectric Constant 60 CPS @ 30°C	D 150	4,00
Power Factor 60 CPS @ 30°C	D 150	1,93

FIRE RESISTANCE PROPERTIES	ASTM	TYPICAL VALUE
Fire Resistance	----------	Self-Extinguishing
Flame Spread	E 162	10
Smoke Development	E 84	300

RIGID PVC ELECTRICAL PLASTIC TUBING (EPT) & CONDUIT (EPC-40 AND EPC-80)

Nominal Pipe Size	Outside Diameter	EPT-A-PVC		EPT-40-PVC		EPT-80-PVC	
		W/thick	N.Weight	W/thick	N.Weight	W/thick	N.Weight
Inch	mm	mm	Kgs/m	mm	Kgs/m	mm	mm
1/2"	21.34	1.52	0.155	2.77	0.248	3.73	0.309
3/4"	26.67	1.52	0.197	2.87	0.329	3.91	0.418
1"	33.40	1.52	0.250	3.38	0.483	4.55	0.614
1¼"	42.16	1.78	0.365	3.56	0.652	4.85	0.850
1½"	48.26	2.03	0.468	3.68	0.779	5.08	1.030
2"	60.32	2.54	0.717	3.91	1.04	5.54	1.430
2½"	73.02	2.79	0.952	5.16	1.65	7.01	2.180
3"	88.9	3.18	1.310	5.49	2.160	7.62	2.900
4"	114.30	3.81	2.000	6.02	3.070	8.56	4.260
5"	141.30	-	-	6.55	4.17	9.52	5.910
6"	168.28	-	-	7.11	5.410	10.97	8.130
8"	219.08	-	-	8.18	8.143	12.70	12.40



SOCKET DIMENSION FOR BELLED - END PIPE

NOM Pipe Size	ASTM Standard	SOCKET ENTRANCE (A)		SOCKET BOTTOM (B)		SOCKET LENGTH(C)
		I.D Min	I.D Max	I.D Min	I.D Max	Schedule 40
½	D 2672	0.844	0.852	0.832	0.840	2.000
3/4	D 2672	1.042	1.062	1.042	1.050	2.250
1	D 2672	1.320	1.330	1.305	1.315	2.500
1¼	D 2672	1.665	1.675	1.650	1.660	2.750
1½	D 2672	1.906	1.918	1.888	1.900	3.000
2	D 2672	2.381	2.393	2.357	2.369	.....
2	F 480	2.380	2.392	2.357	2.369	4.000
2 ½	D 2672	2.882	2.896	2.854	2.868	.....
2 ½	F 480	2.880	2.894	2.854	2.868	4.000
3	D 2672	3.508	3.524	3.476	3.492	.....
3	F 480	3.506	3.522	3.476	3.492	4.000
4	D 2672	4.509	4.527	4.473	4.491	.....
4	F 480	4.508	4.526	4.473	4.491	5.000
6	D 2672	6.636	6.658	6.592	6.614	.....
6	F 480	6.637	6.659	6.592	6.614	6.500
8	D 2672	8.640	8.670	8.583	8.613	.....
8	F 480	8.634	8.664	8.583	8.613	7.000
10	D 2672	10.761	10.791	10.707	10.737	9.000
12	D 2672	12.763	12.793	12.706	12.736	10.000
14	D 2672	14.020	14.050	13.970	14.000	10.000
16	D 2672	16.030	16.060	156.965	15.995	10.000


HYZ-560

PVC Solvent Cements

Our PVC solvent cements are formulated to meet the specific needs of various applications (construction, irrigation, industrial, pool & spa, and conduit).





Weld-On - Afghanistan Agent Representative

For more information about Weld-On products, please contact our agent representative.

Mr. Sardar HajiZada
Chief Executive Officer

Office: Between Haji Yaqob and Ansari Square
Kabul, Afghanistan

www.app.com.af

+93(0) 777 20 57 06
+93(0) 700 20 57 06

Weld-On



OUR CLIENTS

FEKA

77GROUP

SCA
Swedish Committee for Afghanistan

US Army Corps of Engineers

Tepa

MAIL

بنارووالی/شهرداری کابل
Kabul Municipality

MUDH

DynCorp INTERNATIONAL
We Serve Today for a Better Tomorrow.

VICE Group
Making Dreams a Reality

EMTA

ARTEK
ARTEK CONSTRUCTION

TATEKAN Construction Co. Ltd
We Trust On Quality


Thank you!

CERTIFICATES



CERTIFICATION

This is to certify that ATLAS POWER PVC PIPE with legal Business Address located Between Haji Yaqoub and Ansari Square Kabul, Afghanistan is the official supplier of PVC Pipes in the Al Qasaba Residential Low-Cost Housing Project.

Given today, the 12th of May 2014, this certification is issued to Atlas Power PVC Pipe to acknowledge their vital role in the successful completion of the project.

SIGNED,

Eng. Ahmad Al Belbisi
MEP Coordinator
Trojan General Contracting LLC





CERTIFICATE

This is to Certify that the Quality Management System of

Atlas Power PVC Pipe Company

Shahr-e-naw, Haji Yaqoub Square, Kabul, Afghanistan

has been independently assessed and is compliant with the requirements of

ISO 9001:2015

This Certificate is applicable to the following product or service ranges:

Manufacturer of PVC pipe & Fittings

Certificate No.: AFS0324 LRS LRD No.: MSCB-432-46251

Date of initial registration	12 July 2016
Date of this Certificate	14 July 2016
Surveillance audit on or before	01 July 2019
Recertification Due / Certificate expiry	01 July 2021

Director



77 Construction Co.

CERTIFICATE OF APPRECIATION



WICC Wenco-Imtaz Construction Company

CERTIFICATE OF APPRECIATION

Date 25.01.2013

This is to certify that, Atlas power PVC pipe company (APP) which is an Afghan National Company, has worked with WICC Construction company as Material supplier for implementation of the AZIZI STAR project Kabul Afghanistan the company mainly accomplished for refilling their own PVC Fitting and PVC pipe factory Named ATLAS POWER PVC PIPE COMPANY located in Industrial Parks Area Kabul, Afghanistan.

The company has shown their Knowledge of US and British standards Timely implementation as per the given POs we would recommend Atlas power PVC pipe Company as one of the best Afghan National Companies in an implementation of such & bigger projects and wish them success in the field of supplying materials .

Best Regards



CERTIFICATE

This is to Certify that the Management System of

Atlas Power PVC Pipe Company

Shahr-e-naw, Haji Yaqoob Square, Kabul, Afghanistan

has been audited and found to comply with the requirements of

ISO 9001:2015
(Quality Management System)

For the Scope of activities described below:

Manufacturer of PVC pipes & fittings, PVC ceiling panels, PVC Trunking, PVC windows & door profiles and PVC water stop

Certificate No.: AF221027012

Director



CERTIFICATE

This is to Certify that the Management System of

Atlas Power PVC Pipe Company

Shahr-e-now, Haji Yaqoob Square, Kabul, Afghanistan

has been audited and found to comply with the requirements of:

ISO 9001:2015
(Quality Management System)

For the Scope of activities described below:

Manufacturer of PVC pipes & fittings, PVC ceiling panels, PVC Trunking, PVC windows & door profiles and PVC water stop

Certificate No.: AF231027012

Date of initial registration	Date of this Certificate	Surv. audit on or before/ Certificate expiry	Recertification Due
27 October 2025	27 October 2026	26 October 2027	26 October 2028

Validity of this certificate is subject to successful completion of surveillance audit on or before due date, in case surveillance audit not conducted this certificate shall be suspended/cancelled.

Director

For verification and updated information concerning the present certificate visit to www.lmscert.uk/www.lmscert.com
This certificate is property of LMS Assessments Limited and remains valid subject to satisfactory surveillance audits and shall be returned immediately when demanded.

Accreditation

EGAC Accredited QMS Certification CAB # 012312

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

LMS Assessments Limited
Bartle House, Oxford Court, Manchester,
M2 3WQ(United Kingdom)
Phone : +44-7904664589
Visit :- www.lmscert.uk/www.lmscert.com
E-mail :- info@lmscert.uk
(Company Regd. No. 11029176 Registered in England and Wales)

LMS Assessments Limited



CONTACT US :

+93 (0) 777 32 87 07 +93 (0) 20 220 40 70

info@atlaspowerind.com | app.af@live.com www.atlaspowerind.com

Industrial Parks, New road Street No.5, Opp of Petrol Pump, Kabul, Afghanistan