

# MODIGOLD<sup>®</sup>

INDIA'S MOST TRUSTED BRAND

— Since 1996 —



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## ABOUT US

# Who We Are

Family Run business for 30 years  
dedicated in moving water

We, at Modigold Pipes Private Limited, are amongst the leading names in the piping and related product segments. The company, founded by Mr. Rajendra Bansal in 1996, has emerged as one of the most trusted brands for uPVC pipes, HDPE Pipes, PVC hoses because of our utmost focus on quality. Under the aegis of his son Mr. Piyush Bansal & Saurabh Bansal, the company has managed to demonstrate outstanding competence and extraordinary team spirit.

Our prominence in the pipe manufacturing sector is a result of our reliance on efficient technologies and our propensity to leverage our proprietary knowledge by utilizing polymers in the water industry. As an organization that is fully committed to delivering results through an environmental-friendly approach, we use recyclable polymers for the complete water cycle.

**The company, founded by Mr. Rajendra Bansal in 1996, has emerged as one of the most trusted brands for uPVC pipes and fittings because of our utmost focus on quality.**

# What We Do

We develop and deploy best technology and practices to achieve our mission

With approximately three decades of experience in the Indian Pipe Market, we have explored the strong growth fundamentals in the Indian pipe industry. Through our consistent endeavors, we have managed to successfully optimize our production, processes, and quality control systems. Through the development and manufacturing of the strongest, safest, and most efficient wide range of upvc pipes for all water applications, we ensure the reliability and efficiency of water supply systems across the globe.

We have unfolded new dimensions of development and progress through our initiatives and cherish a strong reputation for high-quality products and a reliable distribution network. We deal in a wide range of products such as well casing pipes, pressure pipes, column pipes, and their respective fittings, which find application in irrigation, sanitation, housing, and drainage.

Our technology patent applied of power lock in column pipes has helped us develop pipes for a range of water applications. We already have piping solutions for over a million borewells with the same technology and power lock. Our power lock technology endows us with the ability to develop pipes that are at par with global standards

Thus, we look forward to  
saving 1.30 billion  
units of electricity  
through our efforts.



# MODIGOLD

## Column/Riser/Drop Pipes



### MANUFACTURING PROCESS

Modigold uses the latest extrusion technology and quality control procedures and has a fully equipped laboratory, ensuring the best quality of pipes and perfect inner/outer dimensions.

### SPECIAL FORMULATION

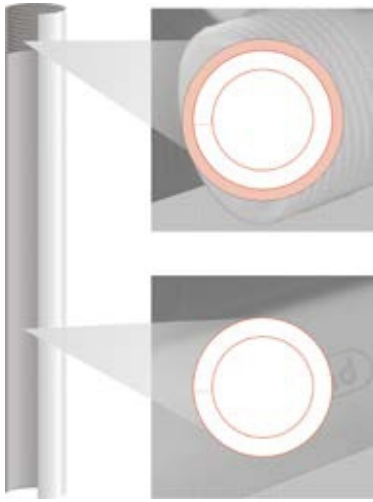
Modigold pipes are made with specially designed formulation so that pipes are capable of handling both internal hydro static pressure as well as vertical tensile load due to the column water and pump weight. The special formulation ensures that the threads do not get brittle and break or chip even after loosening and tightening several times during its life span. Special raw materials are processed and used in combination with the latest extrusion technology to make these pipes.

### DUAL FUNCTION OF MODIGOLD DROP / RISER PIPE

Modigold Drop / Riser pipes have a dual function to perform. On one hand it has to withstand the pump delivery hydro static pressure, which is maximum in the first pipe connected to the pump and may be as high as  $45 \text{ Kg/cm}^2$  and on the other hand, the top most pipe bears the load of the entire column filled with water and pump which may range up to 2 tons. This dual type of loading application makes this product unique and requires special manufacturing techniques which is available only with Modigold.

#### ADVANTAGES OF MODIGOLD uPVC RISER / DROP PIPE

- Long life
- Power saver
- Light in weight
- 10 to 30% extra water
- Easy installation
- No electrolytic deposition
- Cost saver
- No rusting or corrosion

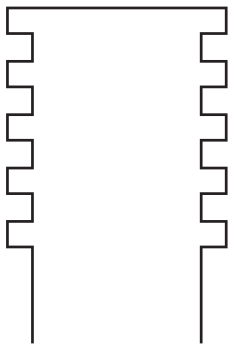


### THICK AND THIN

Unique thick and thin construction of pipes: This innovative technique for making pipes thicker in the threading end to compensate for material removal due to threads is an innovation made only at Modigold.

The residual thickness ( $t$ ) in the end part after removal of thread is the same as barrel thickness ( $t$ ), Therefore the pipe strength remains the same.

This technique saves on the raw material consumption and at the same time provides much higher strength to the pipes.



### SQUARE TYPE THREADS

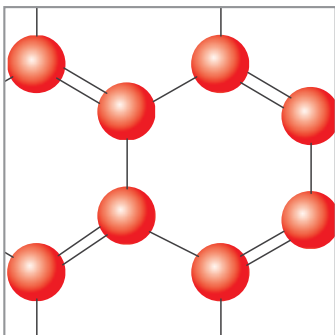
The joint of pipes have been specially designed with square threads to ensure proper gripping and no chance of slipping. These threads are high friction threads on load, which do not open even on constant forward and reverse torque generated by starting and stopping the pump. They are made on special CNC machines with high accuracy tools to ensure perfect dimensions and good and easy fitment. All threads are checked thoroughly with fitment gauges to ensure 100% accuracy.



### MULTI SEAL RING (Design Registered)

An outer multi seal ring is provided in the T (Temporary) side of the pipe and an inner multi seal ring is provided in the P (Permanent) side of the pipe which ensures a 100% leak proof joint.

This multi seal ring is quite appealing in size & shape. Its design is registered by Modigold and incidentally it can withstand higher pressure uses too.



### BI-AXIAL ORIENTATION

Bi-axial orientation during Riser / Drop pipe extrusion : Modigold has developed a unique Bi-axial orientation technique used during pipe extrusion, which gives higher drop impact and notch impact strength to the pipes. This orientation technique is a result of constant Research and Development at Modigold only.

# MODIGOLD uPVC Casing Pipe

The higher density of Modigold uPVC casing and screen pipes gives it the upper hand in construction-related activities. It is equipped with a high yield stress of  $55 \text{ N/mm}^2$ . The high modulus of elasticity provides these pipes with exceptional stiffness and prevents them from any possible deformation. The material used to manufacture these pipes is unplasticized Polyvinyl Chloride, which is resistant to corrosion and chemical action. Thus, these Modigold casing pipes are also impervious to corrosion, bacteria, and all substances dissolved in natural groundwater. The lightweight of these pipes makes them easy to handle and install. Its high longevity makes it a very cost-effective choice for users.



# MODIGOLD HDPE Pipe

- Manufactured from 100% virgin raw material.
- Outstanding flexibility and crush resistance
- Excellent SCGR (Slow Crack Growth Resistance) properties
- Superior hydrostatic strength and durability for long life
- Lightweight and highly flexible for faster & easier installations
- Excellent chemical resistance
- Fusion welded joining provides leak-free monolithic pipe systems
- Anti-microbial properties reduces bacterial growth
- Excellent flow characteristics
- Underground
- Above ground
- Under water
- Floating pipe applications





# MODIGOLD PVC Suction Hose

Modigold PVC flexible Suction & Delivery Hoses are designed incorporating a rigid PVC spiral as an integral part of the soft PVC wall. The anti-shock rigid spiral imparts superior crush resistance to the hose. Specially formulated PVC compounds develop a top grade medium duty Suction & Delivery hose for meeting the challenging service conditions in Suction & Delivery of water for irrigation purpose agriculture with electric mono block and oil engine. Also for Suction & Delivery of saline water, light acids, alkalies and other chemicals except solvents for conveying of granules or fine particles of raw materials in processing industries in general this flexible hose can work with superior efficiency and offers more service life compared to rubber suction and delivery hoses.



# MODIGOLD PVC Braided Hose

**CONSTRUCTION & APPLICATIONS :** Modigold Air & Pneumatic hose is reinforced with high tenacity yarn to meet the pressure requirements for general construction work, Road building, Tunneling metallic and Non metallic ore mines, in structural shops with chipping, Grinding and revetting application service stations for tyre inflation, for pneumatic tools use in Industries and for Heavy duty suction and delivery of water and chemicals.



**CONSTRUCTION & APPLICATIONS :** Modigold welding hose meets all requirements for welding, brazing and cutting operations including oxygen & Acetylene welding by hand & machine. It is also used for other non-combustible gases. Modigold Red welding hose is used for acetylene application while blue hose is used for oxygen and other non-combustible gases



**CONSTRUCTION & APPLICATIONS :** Modigold water hose is recommended for general water supply in Gardening, Steel Mills, Engineering works, Construction purpose, Irrigation projects and wide range of allied application. It is flexible Slight in weight, also split proof compared to typical rubber tubes.





## 10 ASSURANCES

#01

STATE OF THE ART  
MANUFACTURING FACILITY



#02

ADVANCED MACHINERY  
FOR SUPERIOR QUALITY



#03

ADVANCED MATERIAL  
HANDLING SYSTEMS



#04

100% INCOMING RAW  
MATERIAL INSPECTION



#05

HIGH DIMENSIONAL ACCURACY  
TO MAINTAIN QUALITY OF  
EACH PIPE, TO ENSURE 100%  
CUSTOMER SATISFACTION



#06

STRINGENT QUALITY  
CHECKS AT EVERY LEVEL  
OF PRODUCTION



#07

100% FINISHED GOODS  
INSPECTION



#08

EVERY BATCH OF  
PRODUCTS LAB TESTED



#09

QUALITY PARAMETERS  
ARE SAME FOR DOMESTIC  
AND EXPORT SUPPLIES



#10

REGULAR EXTERNAL LAB  
TESTING OF PRODUCTS  
IN INDIA



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