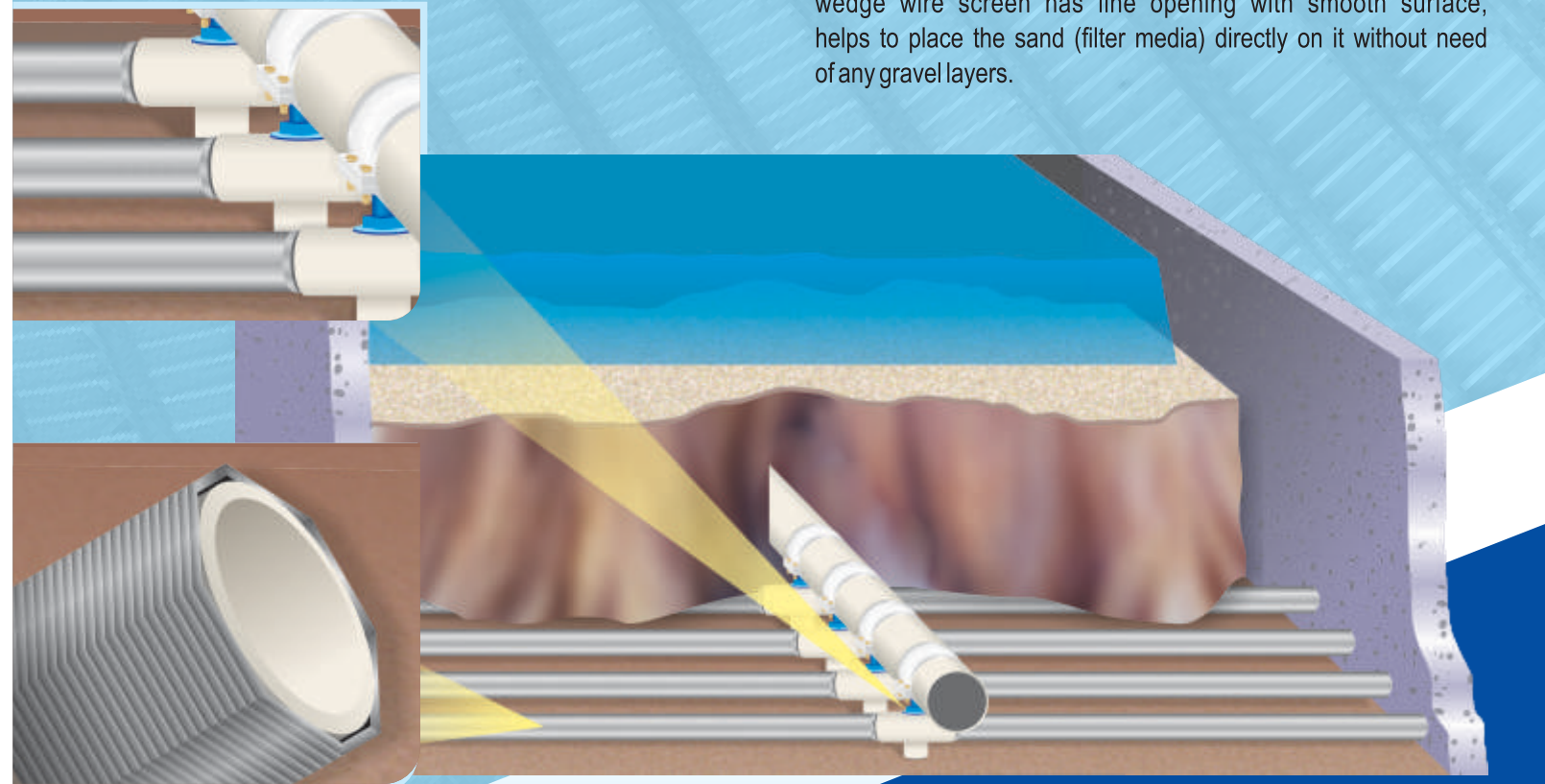


State of art technology by global team of experts

Proven technology & proven product
for new & old filter plants

Apollo Under drain system is based on the Header-lateral design. The laterals are made of all welded wedge wire screen fitted on UPVC pipe. The unique design of all welded wedge wire screen provides the uniform collection during filtration process & uniform back wash (air/water) during back wash process. The all welded wedge wire screen has fine opening with smooth surface, helps to place the sand (filter media) directly on it without need of any gravel layers.



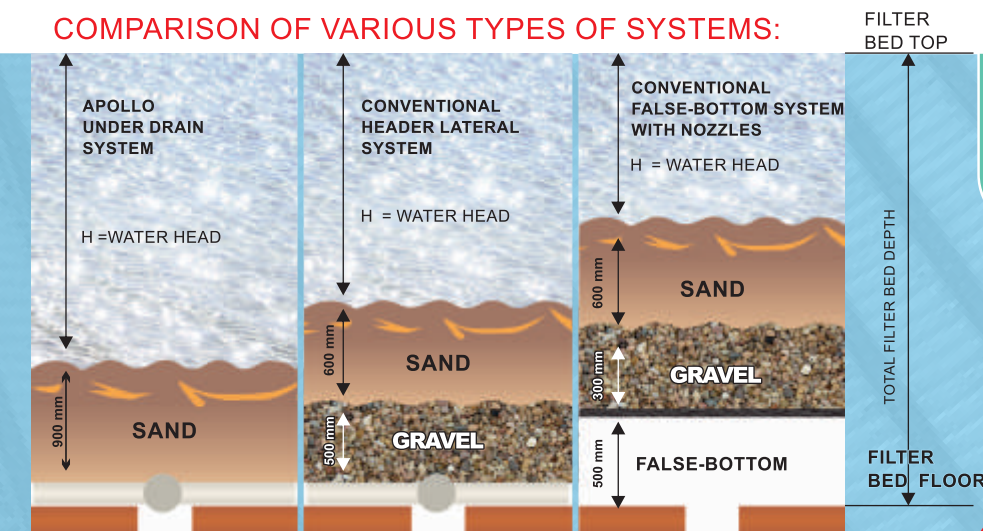
DESIGN OF APOLLO UNDER DRAIN SYSTEM

All welded wedge wire laterals | Air wash system to each lateral

Apollo screens – A new venture by APOLLO GROUP, A renowned engineering house with strong image in its core business combines its engineering expertise, long term vision and ethical business approach with a global team of experts in design and manufacture of screens for wide range of applications.

Apollo screens unit –The plant & Critical Equipments are designed & manufactured by Apollo group having team of engineers who have hands on experience & technology base for these specialised machines. The plant is equipped with state of art technology based machines to produce finest quality screens with minimal tolerances to achieve excellent product quality.

COMPARISON OF VARIOUS TYPES OF SYSTEMS:



Comparison of Apollo under drain system with other systems

Apollo Under drain system is designed & made to optimize the filter bed performance & provide years of uninterrupted service. The system almost eliminates typical problems directly related to type & design of under drain; including mud ball formation, media loss, non-uniform washing.

FEATURES & BENEFITS OF SYSTEM:

- Screen Fine opening up to 0.15mm helps to place the filter media directly on it.
- No need of gravel layer resulting in reduced head loss filter bed.
- All Welded wedge wire construction gives more open area & reduces entry velocity.
- More open area allows higher flow rate - Resulting in higher filtration rate.
- Media depth can be increased or different types of media can be accommodated.
- Unique air wash system to each lateral - Resulting in uniform air distribution in bed
- Back wash duration can be increased as single media being used.
- Entire System is made of non - corrosive material.

COST BENEFITS OF SYSTEM

1 | Filter plant can be designed for higher filtration rate resulting in less number of filter beds. 2 | Saving in construction cost as well as land cost. 3 | Less filter beds, hence savings in piping & valves. 4 | Reduction in wash water quantity - Saving in wash water & Power. 5 | No need of gravel - Saving in gravel cost. 6 | No media loss - Saving in media cost & maintenance cost. 7 | Long life cycle with almost zero maintenance.

Apollo Screens Private Limited

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