

Glass Pilot Plants and Typical Engineering System



PARTNERSHIP IN SCALE UP

Scale up and production of

Pharmaceuticals (API's)

Intermediates

Fine chemicals

Dyes, paints, varnishes

Substances in Pilot Plant

and kilolab

-60°C to +200°C

Full vacuum to 0.5 bar

Corrosion resistant

Multi purpose

Best performance

Considering our Past Experience of Last twenty five years' experience, Pilot plants shown here are only generalized and multi-purpose Systems having operational flexibility. These units have been standardized by incorporating all basic & essential features such as heating, stirring, condensation, fractionation, cooling etc. for multipurpose use.

They can be conveniently and quickly modified according to specific process needs due to modular construction. Following table shows general guideline for choosing available Options available for Pilot Plants. Please note that other available options are also available. Please consult us to define your exact glass Pilot Plant. Various standard Pilot plants photos help you to choose the required system.

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SELECTION OPTIONS FOR GLASS PILOT PLANT

SYSTEM	REGULAR	OPTION1	OPTION2	OPTION3
Reactor	Spherical	Cylindrical-Single Piece	Cylindrical Double Piece	Cylindrical Jacketed-Two Piece
Heating bath	M.S./S.S	Flameproof /Non Flameproof	Thermal Insulation Hot /Cold	Copper /MS/SS Cooling Coils
Temp. Controller for electrical Heater	Thermostatic Temperature	Digital controller	Flameproof/ Non Flameproof	SS cover
Temperature Controller For Coil	Microprocessor based controller with Suitable Valves for Cooling and heating	Flameproof/ Nonflameproof		
Geared Motor	Flameproof, fixed speed with different types of Reduction Gears and Gear Ratios	Non flameproof	With VFD	S.S. cover
Stirrer	Regular Glass Stirrer with PTFE/Glass Blades	MS/SS PTFE Sleeved Stirrer with Different Design		
Stirrer Shaft Sealing	PTFE Bellow Seal/Glass	PTFE-Glass Mechanical Seal		
Receiver vessel	Spherical/Cylindrical	Graduated	Fused valves	Twin Receiver arrangement
Addition vessel	Spherical/Cylindrical	Graduated	Fused valves	Twin Receiver arrangement
Reflux divider	Manual/Magnetically Operated	Analog/Digital	Non Flameproof / Flameproof	
Reflux line	Into reactor	Into column	With Phase separation	-
Flanges and Couplings	CI Flanges with Zinc coated Nut And Bolts	Epoxy Painted/Epoxy powder coated / PTFE Coated	SS Nut and Bolts	SS304/SS 316 /Bakelite
Supporting Structure	GI Pipe with Painted CI Structure Parts	Epoxy powder coated GI Pipe with CI Structure Parts	SS 304/SS316	



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