



Purple Engineering

SIMPLEX BASKET STRAINER ♦ ANSI CLASS 150 FLAT FACE FIBERGLASS REINFORCED PLASTIC (FRP)

MODELS: **BS 55-FRP**
(FIBERGLASS)

SIZES: 4" ~ 20"



Quick-opening
knob cover is rated
at 50 PSI.

Bolted cover is rated
at 150 PSI.

FEATURES

♦ STANDARD GRADE FRP DESIGNED FOR COMMERCIAL SYSTEMS

FOR LOW PRESSURE/TEMPERATURE APPLICATIONS, TITAN FCI OFFERS OUR STANDARD GRADE FRP STRAINER CONSTRUCTED FROM ISOPHTHALIC POLYESTER WITH STAINLESS STEEL BASKET INSERTS. PRESSURE TESTED TO 75 PSI. FLANGED CONNECTIONS ARE DRILLED TO 150 LB ANSI STANDARD.

♦ PREMIUM GRADE FRP ALSO AVAILABLE

FOR MORE SEVERE SERVICE CONDITIONS, TITAN FCI CAN PROVIDE A PREMIUM GRADE FRP STRAINER CONSTRUCTED FROM EITHER EPOXY VINYL ESTER OR CHLORENDIC POLYESTER. THIS GRADE OF FRP PROVIDES SUPERB CORROSIVE, ABRASIVE AND HEAT RESISTANCE AND IS APPROPRIATE FOR SERVICE CONDITIONS UP TO 150 PSI WOG. IT IS A LOGICAL ALTERNATIVE TO RUBBER LINED STRAINERS AS WELL AS STRAINERS CONSTRUCTED FROM HIGH COST, EXOTIC ALLOYS SUCH AS ALLOY 20, HASTELLOY-C, MONEL, AND ALUMINUM BRONZE.

♦ AVAILABLE AS A REDUCING STRAINER

THE OUTLET SIZE CAN BE SIZED SMALLER (CONCENTRICALLY OR ECCENTRICALLY) THAN THE INLET SIZE TO ALLOW FOR LINE SIZE REDUCTION. ADDITIONALLY, LARGER STRAINER BODIES CAN BE FITTED WITH BOTH SMALLER INLET AND OUTLET SIZES IF A LARGER BASKET AREA IS DESIRED FOR EXTRA CAPACITY.

♦ UNIQUE FEATURES

QUICK-OPENING COVER, HIGH STRENGTH-TO-WEIGHT RATIO, LOW INSTALLATION COST, FIELD REPAIRABLE AND SEE-THROUGH ACRYLIC COVER. ON LARGER STRAINERS, THE COVER CAN BE CONSTRUCTED FROM FRP WITH AN CLEAR ACRYLIC 8" DIAMETER VIEWPORT.

♦ LOWER LOSSES - INCREASED TIME BETWEEN CLEANING

THE FRP SERIES STRAINERS ARE BUILT WITH A LARGE OUTLET AREA IN THE BASKET CHAMBER. THIS RESULTS IN VERY LOW PRESSURE LOSSES INITIALLY AND MUCH GREATER DEBRIS LOADING BEFORE THE PRESSURE DROP ACROSS THE STRAINER RISES TO THE POINT WHERE CLEANING IS REQUIRED.

TECHNICAL

MAX WORKING PRESSURE
(NON-SHOCK)

ISOPHTHALIC POLYESTER
CONSTRUCTION

50 PSI @ 80 °F

EPOXY VINYL ESTER OR CHLORENDIC
POLYESTER CONSTRUCTION

150 PSI @ 150 °F

APPLICATIONS

MARKETS: CHEMICAL PROCESSING, WATER TREATMENT, FOOD PROCESSING, PULP AND PAPER MILLS, STEEL PROCESSING, PHARMACEUTICAL INDUSTRY, AND POWER PLANTS.

SERVICE: ACID PLANTS, PICKLING, PLATING, CHEMICAL STRAINING (ACIDS AND BASES), HIGH PURITY PROCESSES, AND SEA/BRACKISH WATER.

The above data represents common market and service applications. No representation or guarantee, expressed or implied, is given due to the numerous variations of concentrations, temperatures and flow conditions that may occur during actual service.

