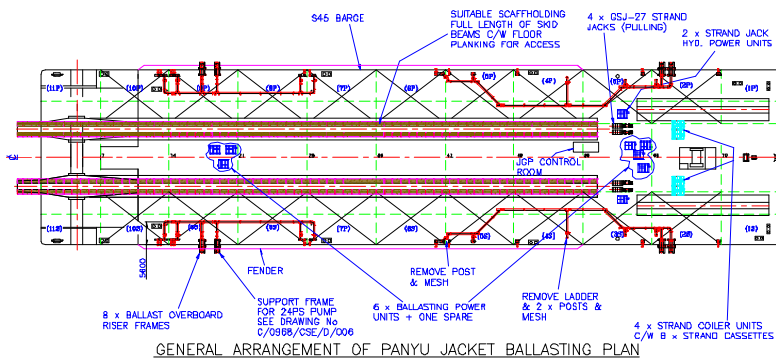


## EQUIPMENT DATA SHEET - BALLASTING FLOW DISTRIBUTION & CONTROL ELEMENTS

To complement ALE's Barge Ballasting Pumps a range of standard flow distribution elements are available in light-weight galvanised steel or flexible rubber for smaller diameters.

Three nominal bore pipes of 600, 400, and 250mm diameter are available and designed to accommodate various



Dedicated Computer Aided Design (CAD) systems enables ALE to quickly produce and optimise ballast plans to suit the project and clients requirements.



The flow of water can be further controlled by the use of a hydraulically operated butterfly valve.



**The ALE barge Ballasting System comprises of:-**

- Hydraulically driven, high capacity, submersible pumps.
- Self-contained, diesel driven power packs.
- Flow distribution and control elements.
- Central control and monitoring System.
- Engineering and Barge Survey.

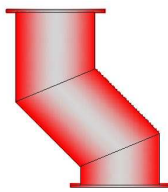


For reference only

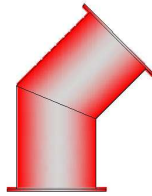
## EQUIPMENT DATA SHEET - BALLASTING FLOW DISTRIBUTION & CONTROL ELEMENTS

### TECHNICAL DATA - STANDARD ELEMENTS

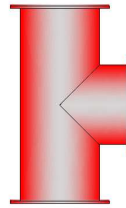
#### 400 DIA. PIPEWORKS



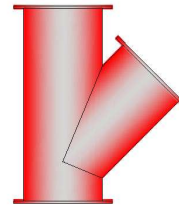
SWAN NECK



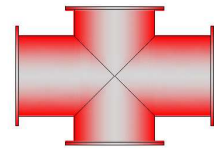
45 DEG. ELBOW



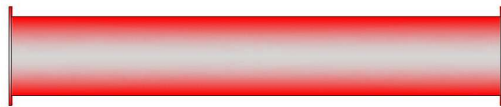
TEE PIECE



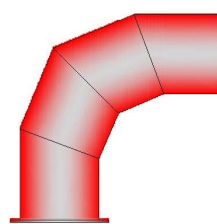
45 DEG. Y



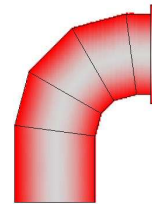
CROSSOVER PIECE



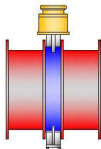
400 DIA. PIPE LENGTHS:  
5m, 3m, 2.5m, 2m, 1.5m, 1.25m, 1m, 0.6m, 0.5m, 0.3m,  
0.225m, 0.2m, 0.175m, 0.15m, 0.125m, 0.1m



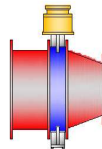
90 DEG. ELBOW  
DOUBLE FLANGE



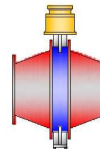
90 DEG. ELBOW  
SINGLE FLANGE



BUTTERFLY VALVE  
400 to 400 ADAPTERS



BUTTERFLY VALVE  
400 to 250 ADAPTERS

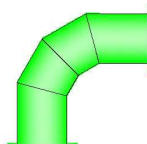


BUTTERFLY VALVE  
250 to 250 ADAPTERS

#### 250 DIA. PIPEWORKS



250 DIA. PIPE LENGTHS:  
5m, 3m, 2m, 1.5m, 1m, 0.8m, 0.5m



90 DEG. ELBOW

For reference only

