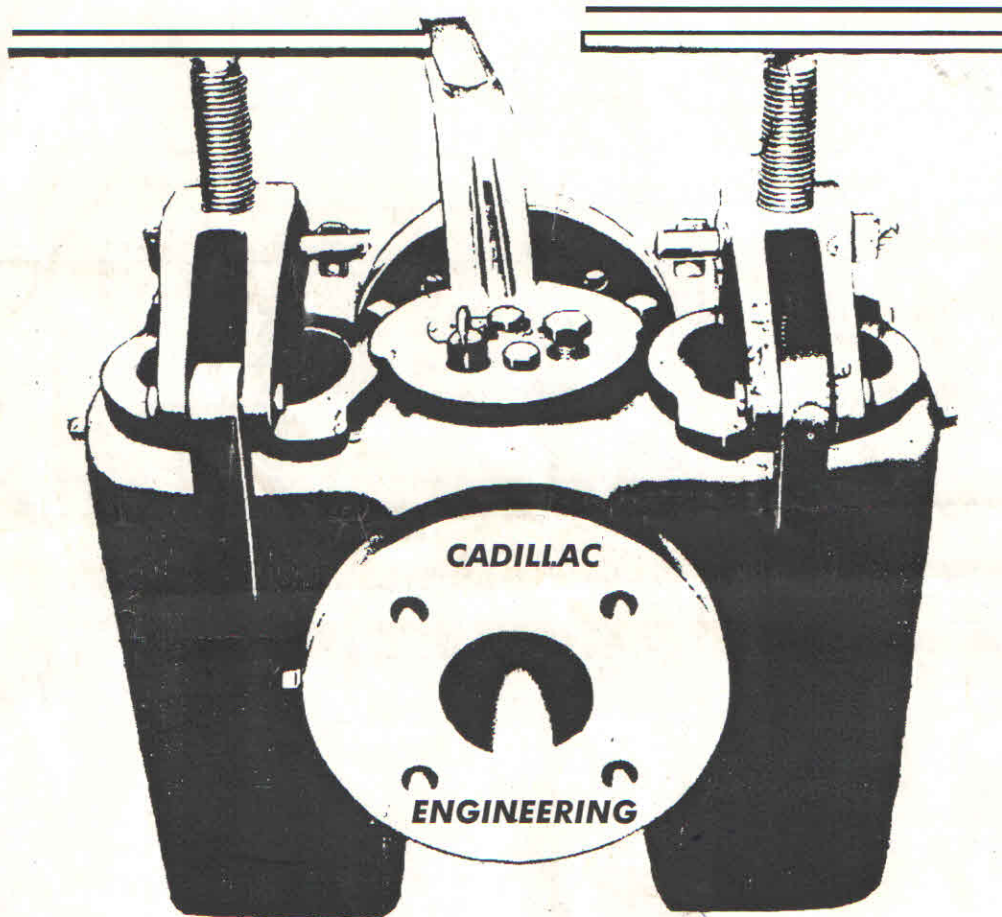


Duplex Filters



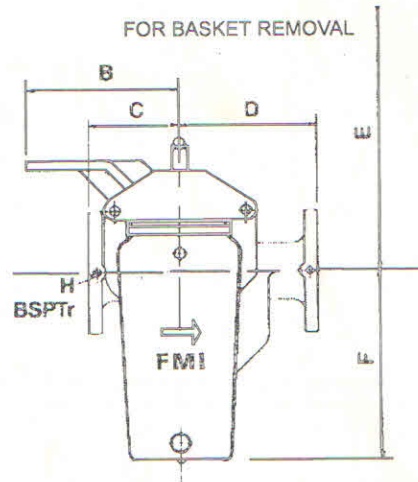
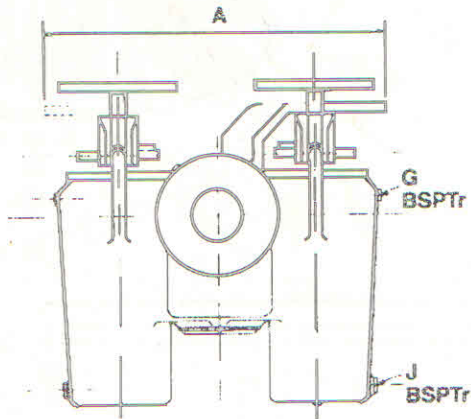
Small range 1"-4" bore

Pipeline strainers for continuous service : Twin filtration chambers and integral isolating valves permit servicing without interruption of flow. No possibility of hydraulic shock on changeover : No tools required for servicing : The Duplex range maintains all the essential features and advantages of Simplex units : It is impossible to shut off the flow through the filter.

The 1"- 4" range incorporates, in one body, two filter baskets and an integral valve which enables flow to pass through either basket, thus enabling the baskets to be cleaned without interruption to continuous flow.

Fixed stops are provided to indicate which basket is in use. A projecting flange from the changeover handle guards the cover of the basket in use, making it impossible to remove it inadvertently.

Dimensions 1" - 4"



MATERIALS

Standard : cast iron (BS 1452-14), Cast Steel (BS 1504-161-A)
 Special : Gun Metal or Stainless Steel.
 Internals : to suit oil or water service.
 Flanges : Standard ASA 250 cast iron. Standard ASA 300 cast steel.
 Drilled to suit customer's requirements.

WORKING PRESSURE

Up to 230lb/in² (16.2 kg/cm²) at 100°F in cast iron.
 Up to 720lb/in² (50.5kg/cm²) at 100°F in cast steel.

WORKING TEMPERATURES

Up to 250°F (121°C) in cast iron.
 Up to 392°F (200°C) in cast steel.

BASKETS

Standard : stainless steel with perforations of 0.080" (2mm). Special baskets can be supplied with alternative perforations and materials.

LUBRICATION

A system of lubricating ducts is incorporated in the parallel plug valve. This ensures that the valve is sealed against leakage and provides an inert barrier which protects the metal surfaces and reduces corrosion. The valve is sealed at top and bottom by 'O' rings.

TYPE 733 - a single multi-purpose lubricant is injected in stick form 1/2" diameter, by a screw on top of the valve. Lubrication should be carried out with the valve fully open.

Bore	in	mm	in	mm	in	mm	in	mm	in	mm
	1	25	1 1/2	38	2	50	3	75	4	100
A	13 5/16	338	13 5/16	338	12 7/8	327	17 7/8	454	22 5/16	567
B	9	229	9	229	8 5/8	219	12	305	17	432
C	4 1/4	108	4 1/4	108	5 1/8	130	7 3/16	183	7 5/16	186
D	4 3/8	111	4 3/4	121	5 7/8	149	9 3/16	233	10 9/16	268
E	8 1/4	210	8 1/2	216	10 1 3/16	275	13 3/8	340	16 7/8	429
F	4 3/16	106	6 3/16	157	7 1/16	179	11 1/4	286	14 3/8	365
G	1/4"		if ordered		1/4"				1/4"	
H	1/4"		if ordered		1/4"				1/4"	
J		1/2"		1/2"		1/2"		1/2"		1/2"
WT	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	50	22	70	32	106	48	236	107	400	181

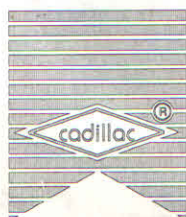
BASKETS (for fine filtering)

Replaceable inserts of stainless steel gauze are available in standard mesh size (to BS 481) as following.

Mesh Size	SWG	Opening in	Size mm	Microns
20	25	.030	.762	762
40	33	.016	.381	381
60	37	.010	.251	251
80	39	.008	.185	185
100	42	.006	.152	152
120	43	.005	.119	119
180	46	.0032	.081	81
200	17	.003	.076	76
300	48.5	.002	.048	48

N.B. The 1" & 1 1/2" sizes can be supplied with inlet and outlet connections screwed BSPTTR (Cast iron bodies only) or NPT

Our policy is one of continuous improvement and we reserve the right to alter any details of our products at any time without giving notice.



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