



# CIVILS

## OriChamber

### Single Dwelling Orifice Control Chamber

The JFC OriChamber is a prefabricated unit which comprises a Ø600mm Twinwall Chamber with base, 110mm internal and outlet pipework and a pedestrian duty (bolt down) cover. The unit is available in two standard depths of 1.0m and 1.5m incorporating a 150mm sump. (Other depths available to order).



#### Features & Benefits:

- Prefabricated for ease of installation.
- Removable cover and frame to allow shaft to be trimmed on site to suit final levels
- Two inlet seals supplied along with a holesaw to allow them to be located at a suitable level and orientation.
- Overflow pipe which can be removed to allow the system to be drained if the orifice becomes blocked.



Fitted with a 110mm overflow pipe complete with debris cowl, the pipe and cowl can be removed if the orifice becomes blocked which allows the system to drain down and the blockage removed.

Two number 110mm inlet connection seals are supplied loose with a hole saw enabling them to be fitted easily to the required level and orientation on-site. This offers unique flexibility to the user.



The internal pipework is assembled from 110mm pipework and has an end cap which can be drilled with a certain diameter hole, based on the design flow and design head required (see table below). For specific head and flows contact JFC Civils Technical team.

		Flow (l/s)												
		0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	2.00	3.00	4.00	5.00
Head (m)	0.150	15	19	21	24	26	28	30	32	34	48	59	68	76
	0.200	14	17	20	22	24	26	28	30	31	44	54	63	70
	0.250	13	16	19	21	23	25	27	28	30	42	52	59	67
	0.300	13	16	18	20	22	24	25	27	28	40	49	57	64
	0.350	12	15	17	19	21	23	24	26	27	39	47	55	61
	0.400	12	14	17	19	20	22	24	25	26	37	46	53	59
	0.450	11	14	16	18	20	21	23	24	26	36	44	51	57
	0.500	11	14	16	18	19	21	22	24	25	35	43	50	56
	0.550	11	13	15	17	19	20	22	23	24	35	42	49	55
	0.600	11	13	15	17	19	20	21	23	24	34	41	48	53
	0.650	10	13	15	17	18	20	21	22	23	33	41	47	52
	0.700	10	13	15	16	18	19	21	22	23	33	40	46	51
	0.750	10	12	14	16	18	19	20	21	23	32	39	45	51
	0.800	10	12	14	16	17	19	20	21	22	31	39	44	50
	0.850	10	12	14	15	17	18	20	21	22	31	38	44	49
	0.900	10	12	14	15	17	18	19	20	22	31	37	43	48
	0.950	10	12	13	15	17	18	19	20	21	30	37	43	48
	1.000		12	13	15	16	18	19	20	21	30	36	42	47
1.050		11	13	15	16	17	19	20	21	29	36	42	46	
1.100		11	13	15	16	17	18	19	21	29	36	41	46	
1.150		11	13	14	16	17	18	19	20	29	35	41	45	
1.200		11	13	14	16	17	18	19	20	28	35	40	45	
1.250		11	13	14	15	17	18	19	20	28	34	40	44	

The pedestrian duty cover and frame is removable to allow the chamber to be cut on-site to suit specific levels required.



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