

Overview

12 Months
Warranty

STOCKED RANGE Weatherproof Louvres

Description

Suitable for both intake and return air applications. The Louvre blades offer a double weather stop design making it a unique and efficient solution in providing weather protection. Wide blade spacings enable improved airflow with reduced pressure drops and noise levels. The WPL stocked range offers a blade spacing of 48mm while the RWPL stocked range offers a blade spacing of 46mm. Free area ranges between 40% and 76%.

Construction

From high quality extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. WPL's are finished in natural anodised aluminium as standard while RWPL's are powder coated white as standard. Optional powder coated colours and finishes available on request.

PRODUCT CODE	DESCRIPTION
WPL	Stocked Weatherproof Louvre complete with 48mm blade spacing and 32mm flange
RWPL	Stocked Round Weatherproof Louvre complete with 46mm blade spacing and 36mm flange
SOB	Stocked Snap on Box to suit Weatherproof Louvres and Half Chevron

Note WPL:

- Natural anodised as standard
- Custom sizes and colours are available upon request
- RWPL comes complete with wire mesh
- [For product performance data, see page 335](#)

Note RWPL:

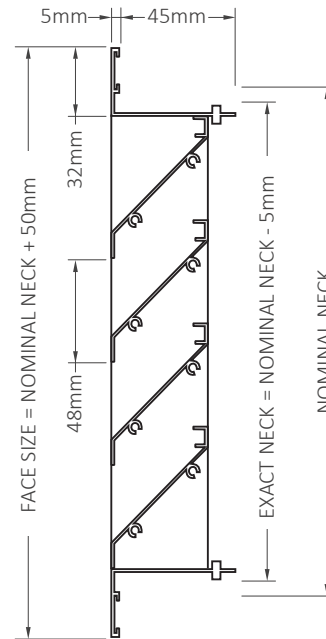
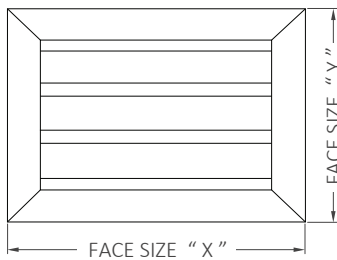
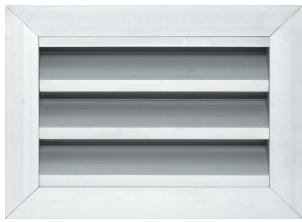
- Powder coated white as standard
- Custom sizes and colours are available upon request
- RWPL comes complete with wire mesh
- [For product performance data, see page 335](#)



QAE strive to provide products that best suit the market's requirements. As such, QAE reserve the right to supply products which may differ slightly from those shown in this and other publications. For product warranties please refer to our standard terms and conditions.

Weatherproof Louvre				
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PIECES/CARTON
WPL95	230 x 115	225 x 110	280 x 165	10
WPL66	150 x 150	145 x 145	200 x 200	10
WPL97	230 x 165	225 x 157	280 x 215	10
WPL88	200 x 200	195 x 195	250 x 250	10
WPL168	400 x 200	395 x 195	450 x 250	10
WPL1010	250 x 250	245 x 245	300 x 300	10
WPL1212	300 x 300	295 x 295	350 x 350	10
WPL2412	600 x 300	595 x 295	650 x 350	5
WPL1414	350 x 350	345 x 345	400 x 400	10
WPL1616	400 x 400	395 x 395	450 x 450	10
WPL2416	600 x 400	595 x 395	650 x 450	5
WPL1818	450 x 450	445 x 445	500 x 500	5
WPL2020	500 x 500	495 x 495	550 x 550	5
WPL2424	600 x 600	595 x 595	650 x 650	5

Weatherproof Louvre: WPL



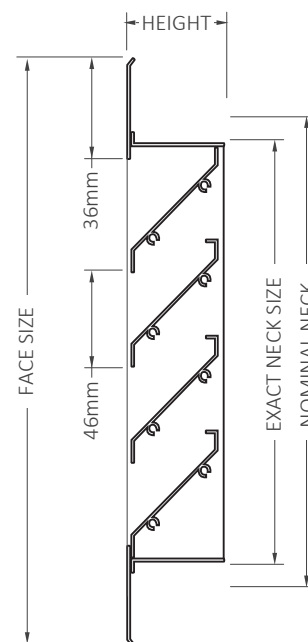
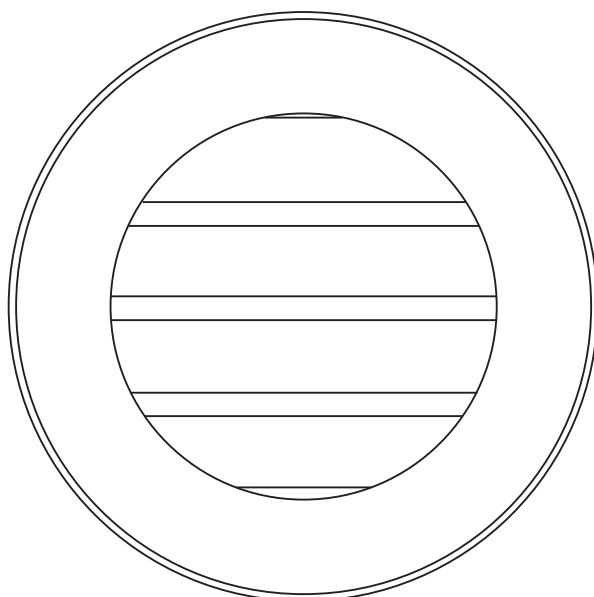
Related Products for Weatherproof Louvres

UB	SOB	RN	ALPBM	ALPBF
see pg.265	see pg.67	see pg.274	see pg.227	see pg.226

Round Weatherproof Louvres					
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE (mm)	HEIGHT (mm)	PIECES/ CARTON
RWPL6	150 Dia	140 Dia	200 Dia	40	20
RWPL8	200 Dia	190 Dia	250 Dia	40	20
RWPL10	250 Dia	240 Dia	305 Dia	45	20
RWPL12	300 Dia	290 Dia	355 Dia	45	20
RWPL14	350 Dia	340 Dia	405 Dia	45	10
RWPL16	400 Dia	390 Dia	455 Dia	45	10



Round Weatherproof Louvre: RWPL



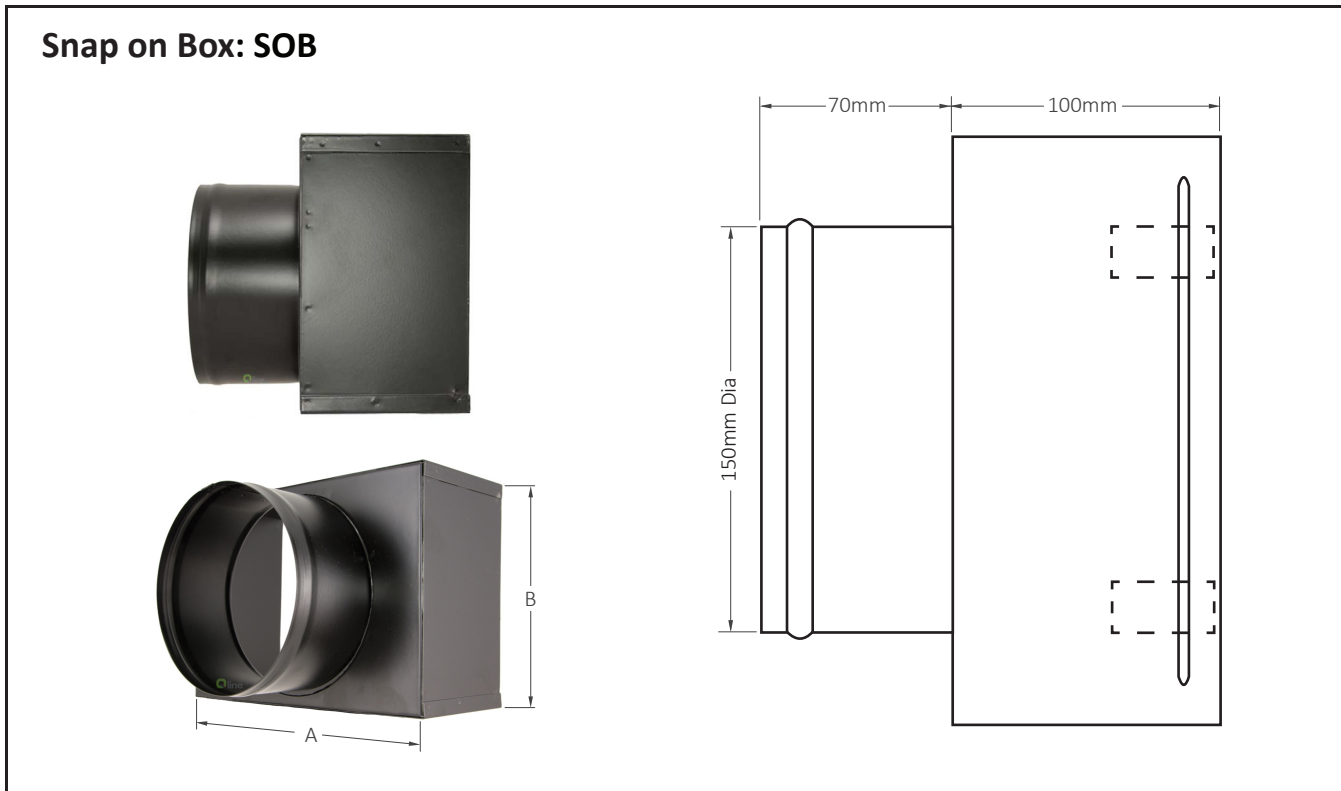
Snap on Box to suit Weatherproof Louvres and Half Chevron						
PRODUCT CODE	SIZE (mm)		SIZE (")		SPIGOT (mm)	SUIT THESE GRILLES
	A	B	A	B		
SOB95	225	125	9	5	150 Dia	WPL95
SOB97	225	175	9	7	150 Dia	WPL97 HC97

Note: The WPL95, WPL97 and HC97 simply snap into box with no drilling required



Quick, Easy and Convenient

A compatible weatherproof louvre or half chevron grille easily locks in place with a push. Installation is made easier by eliminating the need for screws. This makes it ideal for challenging installation environments.



Weatherproof Louvres: WPL (STOCKED)

Test Conditions

NC levels and pressure drops are given for louvres mounted in a wall at least 1200 mm up from the floor level. Results were obtained at Isothermal conditions. For other performance or selection details please contact the supplier.

Free arearange between 40% and 76%

Product Code	Nom. Neck (mm)	Free Area (m ²)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	8	12	18	24	32	40
WPL66	150x150	0.009	Flow Rate (l/s)	9	13	18	22	26	31	35	40
			NC Level	<15	<15	<15	15	18	21	26	29
WPL95	225x125	0.010	Flow Rate (l/s)	10	15	20	25	30	35	40	45
			NC Level	<15	<15	15	16	19	22	27	30
WPL97	225x175	0.017	Flow Rate (l/s)	17	25	34	42	51	59	67	76
			NC Level	<15	<15	<15	16	19	22	27	30
WPL88	200x200	0.018	Flow Rate (l/s)	18	27	36	45	54	63	72	81
			NC Level	<15	<15	<15	16	20	23	28	31
WPL1010	250x250	0.031	Flow Rate (l/s)	31	47	62	78	93	109	124	140
			NC Level	<15	<15	<15	16	20	24	28	31
WPL168	400x200	0.037	Flow Rate (l/s)	37	56	74	93	111	130	148	167
			NC Level	<15	<15	16	18	21	25	29	32
WPL1212	300x300	0.046	Flow Rate (l/s)	46	69	93	116	139	162	185	208
			NC Level	<15	<15	16	19	23	27	31	34
WPL1414	350x350	0.065	Flow Rate (l/s)	65	97	129	162	194	227	259	291
			NC Level	<15	<15	17	22	27	30	35	38
WPL1616	400x400	0.087	Flow Rate (l/s)	87	130	173	217	260	303	347	390
			NC Level	<15	<15	19	25	30	33	38	41
WPL2412	600x300	0.094	Flow Rate (l/s)	94	141	188	235	282	329	376	423
			NC Level	<15	15	20	26	31	33	38	41
WPL1818	450x450	0.112	Flow Rate (l/s)	112	168	225	281	337	393	449	505
			NC Level	<15	15	21	26	31	34	39	41
WPL2020	500x500	0.142	Flow Rate (l/s)	142	212	283	354	425	496	567	637
			NC Level	<15	16	22	26	31	35	40	42
WPL2424	600x600	0.219	Flow Rate (l/s)	219	329	439	548	658	768	877	987
			NC Level	<15	18	24	27	33	36	41	43

PERFORMANCE DATA

Round Weatherproof Louvres: RWPL (STOCKED)

Product Code	Nom. Neck (mm) Ø	Free Area (m ²)	Face Velocity (m/s)	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
			Pressure Drop (Pa)	2	4	8	12	18	24	32	40
RWPL6	150	0.007	Flow Rate (l/s)	7	10	14	17	21	24	28	31
			NC Level	<15	<15	<15	15	17	19	21	25
RWPL8	200	0.013	Flow Rate (l/s)	13	20	27	33	40	47	53	60
			NC Level	<15	<15	16	17	19	23	27	31
RWPL10	250	0.022	Flow Rate (l/s)	22	33	44	55	67	78	89	100
			NC Level	<15	<15	16	17	20	23	28	31
RWPL12	300	0.034	Flow Rate (l/s)	34	51	67	84	101	118	135	152
			NC Level	<15	<15	16	18	21	24	28	32
RWPL14	350	0.049	Flow Rate (l/s)	49	74	98	123	147	172	196	221
			NC Level	<15	<15	17	19	22	25	29	32
RWPL16	400	0.067	Flow Rate (l/s)	67	100	134	167	201	234	268	301
			NC Level	<15	<15	17	21	24	27	31	35