

91610, 91620, 91520

Stainless Steel Supply Grilles, Linear Bar



GRILLES | STAINLESS STEEL

PERFORMANCE DATA | 91610 | ROUND NECK, 0° DEFL, 1/8" BARS, 3/8" BAR SPACING, NO DAMPER

NOM DUCT	IP DATA				SOUND	METRIC DATA				
	NECK VEL	AIR FLOW	Ps	1-CORE THROW		NOM DUCT	NECK VEL	AIR FLOW	Ps	1-CORE THROW
in	fpm	cfm	in wg	ft	NC	cm	m/s	l/s	Pa	cm
4	200	67	.010	12	<25	10.2	1.02	32	2.5	378
	400	133	.040	15	<25		2.03	63	10.0	472
	600	200	.090	18	26		3.05	94	22.4	567
	800	267	.150	20	35		4.06	126	37.4	630
8	200	133	.010	14	<25	20.3	1.02	63	2.5	441
	400	267	.040	19	<25		2.03	126	10.0	598
	600	400	.090	23	29		3.05	189	22.4	724
	800	533	.150	25	36		4.06	252	37.4	787
12	200	200	.010	17	<25	30.5	1.02	94	2.5	535
	400	400	.040	23	<25		2.03	189	10.0	724
	600	600	.090	27	32		3.05	283	22.4	850
	800	800	.150	30	39		4.06	378	37.4	944

PERFORMANCE DATA | 91610 | ROUND NECK, 15° DEFL, 1/8" BARS, 3/8" BAR SPACING, NO DAMPER

NOM DUCT	IP DATA				SOUND	METRIC DATA				
	NECK VEL	AIR FLOW	Ps	1-CORE THROW		NOM DUCT	NECK VEL	AIR FLOW	Ps	1-CORE THROW
in	fpm	cfm	in wg	ft	NC	cm	m/s	l/s	Pa	cm
4	200	67	.010	12	<25	10.2	1.02	32	2.5	378
	400	133	.040	15	<25		2.03	63	10.0	472
	600	200	.090	17	28		3.05	94	22.4	535
	800	267	.150	19	36		4.06	126	37.4	598
8	200	133	.010	13	<25	20.3	1.02	63	2.5	409
	400	267	.040	18	<25		2.03	126	10.0	567
	600	400	.090	21	31		3.05	189	22.4	661
	800	533	.150	23	39		4.06	252	37.4	724
12	200	200	.010	15	<25	30.5	1.02	94	2.5	472
	400	400	.040	20	<25		2.03	189	10.0	630
	600	600	.090	25	32		3.05	283	22.4	787
	800	800	.150	28	40		4.06	378	37.4	881

NOTES: Throw values are based on a 4 foot sill grille and 100 FPM vertical throw. Throw values are given for isothermal conditions. Sound data based on a 4 foot grille. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. For return use, pressure drop and NC levels are approximately the same.

LENGTH AND NC CORRECTION FACTORS

ACTIVE LENGTH	2.00	4.00	8.00	12.00	16.00	24.00	40+
NC THROW CORRECTION	-3.00	0.00	3.00	5.00	6.00	8.00	10.00