

Gas and odor HealthProtect 7400 and 7700

Test	Model	Substance Tested	Type of test	Claimed value	Claimed value (US)	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laboratory
Deodorization abilities	7400	Ammonia, Acetaldehyde, Acetic acid	Removal rate from the air	97.5%		230V 50/60Hz	SmartFilter	60min	3	1m3	JEM 1467-2015	CAS
Deodorization abilities	7700	Ammonia, Acetaldehyde, Acetic acid	Removal rate from the air	97.7%		230V 50/60Hz	SmartFilter	60min	3	1m3	JEM 1467-2015	CAS

Bacteria, mold, virus and pollen HealthProtect 7400 and 7700

Test	Model	Substance Tested	Type of test	Claimed value	Claimed value (US)	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laboratory
Bacteria removal rate	7400	Staphylococcus albus	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T 18801-2015	CAS
Bacteria removal rate	7400	Escherichia coli	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T 18801-2015	CAS
Mould removal rate	7400	Aspergillus niger	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T 18801-2015	CAS
Bacteria removal rate	7700	Staphylococcus albus	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T18801-2015	CAS
Bacteria removal rate	7700	Escherichia coli	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T18801-2015	CAS
Bacteria removal rate	7700	Aspergillus niger	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T18801-2015	CAS
Particle removal rate	7700	PM2.5	Removal rate from the air	99.87%		230V 50/60Hz	SmartFilter	60min	3	30m3	JEM 1467-2015	CAS
Particle removal rate	7700	PM2.5	Removal rate from the air	>99.98%		230V 50/60Hz	SmartFilter	60min	3	30m3	JEM 1467-2015	CAS
Pollen removal rate	7700	Pollen 5.048µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 5.425µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 5.829µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 6.264µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 6.732µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 7.234µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 7.774µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 8.354µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 8.977µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 9.647µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 10.37µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 11.14µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 5.048µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 5.425µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 5.829µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 6.264µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 6.732µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 7.234µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 7.774µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 8.354µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 8.977µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 9.647µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 10.37µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Pollen removal rate	7700	Pollen 11.14µm	Removal rate from the air	100%		230V 50/60Hz	SmartFilter	60min	3	28.5 m3	AHAM AC-1-2019	Intertek
Virus removal rate	7700	HINI test 1	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T 18801-2015	CAS
Virus removal rate	7700	HINI test 1	Removal rate from the air	>99.99%		230V 50/60Hz	SmartFilter	60min	3	30m3	GB/T 18801-2015	CAS

Noise tests HealthProtect 7400 and 7700

Test	Model	Substance Tested	Type of test	Claimed value	Claimed value (US)	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laboratory
Noise test	7400	Fan speed 1	Sound pressure level	25dB	22dB	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	7400	Fan speed 2	Sound pressure level	34dB	34dB	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	7400	Fan speed 3	Sound pressure level	45dB	45dB	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	7400	Fan speed 1	Sound power level	33dB	33dB	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	7400	Fan speed 2	Sound power level	47dB	47dB	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	7400	Fan speed 3	Sound power level	57dB	57dB	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 1	Sound pressure level	27dB	25dB	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 2	Sound pressure level	43dB	43dB	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 3	Sound pressure level	55dB	53dB	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 1	Sound power level	37dB	37dB	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 2	Sound power level	56dB	56dB	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	7700	Fan speed 3	Sound power level	66dB	66dB	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC

Power consumption and standby HealthProtect 7400 and 7700

Test	Model	Substance Tested	Type of test	Claimed value	Claimed value (US)	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laboratory
Power consumption test	7400	Fan speed 1	Power consumption	9W	-	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	7400	Fan speed 2	Power consumption	18W	-	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	7400	Fan speed 3	Power consumption	43W	-	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 1	Power consumption	9W	-	230V 50/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 2	Power consumption	24W	-	230V 50/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 3	Power consumption	72W	-	230V 50/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Power consumption test	7400	Fan speed 1	Power consumption	-	8W	120V/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	7400	Fan speed 2	Power consumption	-	18W	120V/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	7400	Fan speed 3	Power consumption	-	48W	120V/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 1	Power consumption	-	8W	120V/60Hz	SmartFilter	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 2	Power consumption	-	25W	120V/60Hz	SmartFilter	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	7700	Fan speed 3	Power consumption	-	76W	120V/60Hz	SmartFilter	N/A	3	N/A	GB/T18801-2015	CVC
Standby test	7400	Fan speed 0	Standby power	-	1.3W	120V/60Hz	SmartFilter	N/A	0	N/A	ANSI/AHAM-AC-1	Intertek
Standby test	7700	Fan speed 0	Standby power	-	1.2W	120V/60Hz	SmartFilter	N/A	0	N/A	ANSI/AHAM-AC-1	Intertek

CADR particles HealthProtect 7400 and 7700

Test	Model	Substance Tested	Type of test	Claimed value	Claimed value (US)	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laboratory
CADR Particle	7400	Smoke	CADR test	270cfm / 455m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	7400	Dust	CADR test	275cfm / 465m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	7400	Pollen	CADR test	280cfm / 475m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	7700	Smoke	CADR test	435cfm / 735m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	7700	Dust	CADR test	>400cfm / >675m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	7700	Pollen	CADR test	435cfm / 735m3/h		100-240V/50/60Hz	SmartFilter	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek

Noise tests 3210, 3410, 3610, 411 Auto, 311 Auto, 211+ Auto

Test	Model	Substance Tested	Type of test	Claimed value	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laborator
Noise test	3210/411 Auto	Fan speed 1	Sound pressure level	18dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3210/411 Auto	Fan speed 2	Sound pressure level	23dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3210/411 Auto	Fan speed 3	Sound pressure level	48dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	3210/411 Auto	Fan speed 1	Sound power level	24dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3210/411 Auto	Fan speed 2	Sound power level	34dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3210/411 Auto	Fan speed 3	Sound power level	60dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 1	Sound pressure level	23dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 2	Sound pressure level	33dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 3	Sound pressure level	53dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 1	Sound power level	34dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 2	Sound power level	45dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3410/311 Auto	Fan speed 3	Sound power level	65dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 1	Sound pressure level	23dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 2	Sound pressure level	42dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 3	Sound pressure level	56dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 1	Sound power level	34dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 2	Sound power level	53dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Noise test	3610/211+ Auto	Fan speed 3	Sound power level	67dB(A)	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC

Power consumption and standby 3210, 3410, 3610, 411 Auto, 311 Auto, 211+ Auto

Test	Model	Substance Tested	Type of test	Claimed value	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laborator
Power consumption test	3210/411 Auto	Fan speed 1	Power consumption	2W	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	3210/411 Auto	Fan speed 2	Power consumption	3W	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	3210/411 Auto	Fan speed 3	Power consumption	10W	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Power consumption test	3410/311 Auto	Fan speed 1	Power consumption	3W	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	3410/311 Auto	Fan speed 2	Power consumption	7W	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	3410/311 Auto	Fan speed 3	Power consumption	35W	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Power consumption test	3610/211+ Auto	Fan speed 1	Power consumption	4W	100-240V 50/60Hz	Particle + Carbon	N/A	1	N/A	GB/T18801-2015	CVC
Power consumption test	3610/211+ Auto	Fan speed 2	Power consumption	11W	100-240V 50/60Hz	Particle + Carbon	N/A	2	N/A	GB/T18801-2015	CVC
Power consumption test	3610/211+ Auto	Fan speed 3	Power consumption	38W	100-240V 50/60Hz	Particle + Carbon	N/A	3	N/A	GB/T18801-2015	CVC
Standby test	3210/411 Auto	Fan speed 0	Standby power	0.22W	100-240V 50/60Hz	Particle + Carbon	N/A	0	N/A	ANSI/AHAM AC-1	Intertek
Standby test	3410/311 Auto	Fan speed 0	Standby power	0.32W	100-240V 50/60Hz	Particle + Carbon	N/A	0	N/A	ANSI/AHAM AC-1	Intertek
Standby test	3610/211+ Auto	Fan speed 0	Standby power	0.33W	100-240V 50/60Hz	Particle + Carbon	N/A	0	N/A	ANSI/AHAM AC-1	Intertek

CADR particles 3210, 3410, 3610, 411 Auto, 311 Auto, 211+ Auto

Test	Model	Substance Tested	Type of test	Claimed value	Tested voltage/frequency	Tested filter	Testing time	Tested fan speed	Test chamber size	Test standard	Laborator
CADR Particle	3210/411 Auto	Smoke	CADR test	123cfm / 210m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3210/411 Auto	Dust	CADR test	107cfm / 181m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3210/411 Auto	Pollen	CADR test	96cfm / 163m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3410/311 Auto	Smoke	CADR test	250cfm / 425m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3410/311 Auto	Dust	CADR test	250cfm / 425m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3410/311 Auto	Pollen	CADR test	244cfm/415m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3610/211+ Auto	Smoke	CADR test	353cfm/600m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3610/211+ Auto	Dust	CADR test	347cfm/590m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek
CADR Particle	3610/211+ Auto	Pollen	CADR test	380cfm/650m3/h	100-240V/50/60Hz	Particle + Carbon	20min	3	28.5 m3	ANSI/AHAM AC-1	Intertek