

VACUUM EXTRACTORS

These Vacuum Extractors are used along with a vacuum pump to obtain a quantitative measurement of bitumen in hot-mixed paving mixtures and pavement samples. Both extractors are available in aluminum or stainless steel construction and consists of a detachable 12" filter funnel ring with 3000 gram capacity. The **B3241** and **B3242** included a fluid reservoir with 2 sight glasses, a drain valve, vacuum gauge, side handles and filter support. One pack of filter paper is also included. The vacuum pump is not included, however, we recommend model **G8251**. The Free Standing Vacuum Extractors **B3246** & **B3247** are used along with a vacuum pump to obtain a quantitative measurement of bitumen in hot-mixed paving mixtures and pavement samples. Both extractors are available in aluminum or stainless steel construction and consists of a detachable 12" filter funnel ring with 3000 gram capacity. The units are furnished with 10' of vacuum hose and with filter support. The vacuum pump is not included, however, we recommend model.



B3241 & B3242



B3246 & B3247

MODELS	DESCRIPTION	STANDARDS
B3241	VACUUM EXTRACTOR, 3000 G, ALUMINUM	ASTM D-2172 / AASHTO T-164
B3242	VACUUM EXTRACTOR, 3000 G, STAINLESS	
B3246	VACUUM EXTRACTOR, 3000 G, FREE STANDING, ALUMINUM	
B3247	VACUUM EXTRACTOR, 3000 G, FREE STANDING, STAINLESS	

ACCESSORIES	DESCRIPTION
B3152	FILTER PAPER, 33 CM, GRADE 615, 100 / PK
B3152A	FILTER PAPER, 33 CM, GRADE 617, 50 / PK
B3150	FILTER PAPER, 33 CM, GRADE 627
B3243	EXTRA SIGHT GLASS FOR B3241 & B3242
B3244	O'RING FOR B3241 & B3242
B3245	EXTRA FILTER SUPPORT FOR B3242 & B3247
B3248	ADAPTER PLATE FOR 8" SIEVES
B3249	FILTER AID, 2.5 KGS / 5 LBS (CELITE)
B3250	EXTRA FILTER SUPPORT FOR B3241 & B3246
G8251	VACUUM PUMP
L2440	FILTER FLASK, 4000 ML
L2470	STOPPER W/ COPPER TUBES

BINDER IGNITION SYSTEM

Developed by NCAT, the **B3252** & **B3253** Binder Ignition System is designed to replace older solvent-based methods for determining binder content in bituminous concrete and will deliver greater quality control and design of mixes. The system consists of a programmable burn-off furnace with a large main chamber 21" x 21" x 9" and an afterburner chamber. The main chamber is digitally controlled which has a memory for six programs, each with up to 8 ramps and 8 dwells. The afterburner chamber is controlled by a separate analog setpoint controller which maintains the combustion of vaporized binder. The furnace can hold up to 3000 G of sample mix which is placed on special tray with screen support for full direct exposure. The furnace is designed for rapid warm-up and recovery times. The chambers are lined with 2300°F fire brick and the heating elements are Kanthal A-1. The exterior is stainless steel and has a drop door with interlock and lockout switches. The system is furnished with two support screens and lids.



MODELS	DESCRIPTION	TYPE
B3252	BINDER IGNITION SYSTEM, 208-240V / 60 Hz	1 OR 3 PHASE
B3253	BINDER IGNITION SYSTEM, 240-380V / 60 Hz	

ACCESSORIES	DESCRIPTION
B3254	EXTRA SAMPLE TRAY, SCREEN & LID
B3255	FURNACE SUPPORT STAND
B3256	REPLACEMENT FILTER