

DISTILLATION WATER IN EMULSIFIED ASPHALT

The **B6721** emulsified asphalts distillation apparatus accurately determines representative portion of residue in emulsified asphalts. The set contains a ring burner, adapter, bent glass tube, funneled tube, tube shield, condenser, aluminum still, two thermometers (**B7411** or **B7401**) graduated cylinder, burner, clamps, clamp holders, support stands and support shelf. The **B6701** emulsified asphalts water content distillation apparatus is the same as the **B6721** except that it is supplied with a smaller still and only one **B7411** thermometer.

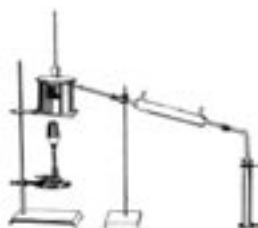


MODELS	DESCRIPTION	STANDARDS
B6701	DISTILLATION SET, GAS TYPE, SMALL STILL	ASTM D-244 / AASHTO T-59
B6721	DISTILLATION SET, GAS TYPE, LARGE STILL	

ACCESSORIES	DESCRIPTION
B6705	SMALL STILL, 3-1/2 X 6"
B6725	LARGE STILL, 3-3/4" X 9-1/2"
B7401	DISTILLATION THERMOMETER, -2-300° C, ASTM 7C
B7411	DISTILLATION THERMOMETER, 30-580° F, ASTM 7F

DISTILLATION SET ASPHALT

This distillation apparatus is used with cutback asphaltic (bituminous) products. It determines residue content and separates volatile and nonvolatile cutback asphaltic products. The set is furnished with a flask, condenser, adapter, distillation shield, flame shield, thermometer (**B7391**), graduated cylinder, burner, clamp, support ring, support stand, support shelf and wire gauze.



MODELS	DESCRIPTION	STANDARDS
B6711	DISTILLATION SET, ASPHALT	ASTM D-402 / AASHTO T-79

ACCESSORIES	DESCRIPTION
B6762	EXTRA STILL, COPPER

WATER IN PETROLEUM DISTILLATION SET

Gas heated apparatus determines water content in petroleum products and other bituminous materials. The set is furnished with a tar still, ring burner, clamps, condenser, 20 ml distilling receiver trap with stopcock and support stand with rod. The **B6771** and **B6772** are the same as the **B6761** except they are powered by a 0 to 750W electric rheostat heater and also is furnished with a flask. The electric sets are also not furnished with the tar still and ring burner.



MODELS	DESCRIPTION	STANDARDS
B6761	WATER IN PETROLEUM DISTILLATION SET, GAS	ASTM D-95 D-244, E-123 / AASHTO T-55, T-59
B6771	WATER IN PETROLEUM DISTILLATION SET, 110V / 60 Hz	
B6772	WATER IN PETROLEUM DISTILLATION SET, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
B6762	EXTRA STILL, COPPER

DISTILLATION SET FOR MOISTURE



Same as the **B6761** except the distilling receiver is a trap for moisture or volatile fractions of bitumen. The trap is graduated 0 to 5ml in 0.1ml divisions. The **B6785** is furnished with a 25ml cap trap for volatile distillates. It is graduated 0.1ml from 0 to 1 ml, 0.1ml from 0 to 25ml.

MODELS	DESCRIPTION	STANDARDS
B6781	DISTILLATION SET W/ TRAP FOR MOISTURE IN BITUMINOUS PAVING MIXTURES	ASTM D-95, D-1461 AASHTO T-110
B6785	DISTILLATION SET W/ TRAP FOR VOLATILE DISTILLATES IN BITUMINOUS PAVING MIXTURES	

ACCESSORIES	DESCRIPTION
B6762	EXTRA STILL, COPPER

ASTM THERMOMETERS

The rigid manufacturing tolerances and inspection ensure the production of ASTM Thermometers that are well within the physical and accuracy specifications of E-1 and E-77 of the American Society for Testing and Materials (ASTM).

FAHRENHEIT

MODELS	TEST	RANGE	ASTM #	GRAD
B7391	GENERAL USE	0 - 302°	1F	2°
B7392	GENERAL USE	20 - 580°	2F	2°
B7393	GENERAL USE	20 - 760°	3F	2°
B7411	DISTILLATION	30 - 580°	7F	2°
B7415	DISTILLATION	30 - 760°	8F	1°
B7455	OPEN FLASH	20 - 760°	11F	5°
B7501	PENSKY-MARTENS	200 - 700°	10F	2°
B7515	PENSKY-MARTENS	20 - 230°	9F	1°
B7516	TAG CLOSED TESTER	-4 - 122°	57F	0.1°
B7606	SOFTENING POINT	30 - 180°	15F	.05°
B7616	SOFTENING POINT	85 - 392°	16F	1°
B7617	SOFTENING POINT	30 - 350°	113F	0.1°
B7661	SAYBOLT VISCOSITY	66 - 80°	17F	0.2°
B7662	SAYBOLT VISCOSITY	94 - 108°	18F	0.2°
B7663	SAYBOLT VISCOSITY	120 - 134°	19F	0.2°
B7664	SAYBOLT VISCOSITY	134-148°	20F	0.2°
B7665	SAYBOLT VISCOSITY	174 - 188°	21F	0.2°
B7666	SAYBOLT VISCOSITY	204 - 218°	22F	0.2°
B7667	SAYBOLT VISCOSITY	245 - 265°	77F	0.5°
B7668	SAYBOLT VISCOSITY	74.5 - 79.5°	45F	0.2°
B7691	KINEMATIC VISCOSITY	137.5 - 142.5°	47F	0.1°
B7695	KINEMATIC VISCOSITY	272.5 - 277.5°	110F	0.1°
B7696	PRECISION	18-89°	63F	0.2°
B7698	PRECISION	77-131°	64F	0.2°
B7699	PRECISION	-36-35°	62F	0.2°

CELSIUS

MODELS	TEST	RANGE	ASTM #	GRAD
B7381	GENERAL USE	-20 - 150°	1C	1°
B7382	GENERAL USE	-5 - 300°	2C	1°
B7383	GENERAL USE	-5 - 400°	3C	1°
B7401	DISTILLATION	-2 - 300°	7C	1°
B7405	DISTILLATION	-2 - 400°	8C	1°
B7451	OPEN FLASH	-6 - 400°	11C	2°
B7503	PENSKY-MARTENS	90 - 370°	10C	2°
B7505	PENSKY-MARTENS	-5 - 110°	9C	0.5°
B7506	TAG CLOSED TESTER	-20 - 50°	57C	0.5°
B7551	LOSS ON HEAT	155 - 170°	13C	0.5°
B7605	SOFTENING POINT	-2 - 80°	15C	.02°
B7615	SOFTENING POINT	30 - 200°	16C	0.5°
B7618	SOFTENING POINT	-1- 175°	113C	0.5°
B7641	SAYBOLT VISCOSITY	19 - 27°	17C	0.1°
B7642	SAYBOLT VISCOSITY	34 - 42°	18C	0.1°
B7643	SAYBOLT VISCOSITY	49 - 57°	19C	0.1°
B7644	SAYBOLT VISCOSITY	57 - 65°	20C	0.1°
B7645	SAYBOLT VISCOSITY	79 - 87°	21C	0.1°
B7646	SAYBOLT VISCOSITY	95 - 103°	22C	0.1°
B7681	ENGLER VISCOSITY	18 - 28°	23C	0.2°
B7682	ENGLER VISCOSITY	39 - 54°	24C	0.2°
B7690	KINEMATIC VISCOSITY	58.6 - 61.4°	47C	0.05°
B7692	STORMER VISCOSITY	20 - 70°	49C	0.5°
B7693	KINEMATIC VISCOSITY	133.6 - 136.4°	110C	0.2°
B7694	PRECISION	-8 - 32°	63C	0.1°
B7697	PRECISION	-25 - 55°	64C	0.1°