

STANDARD: ASTM D2172

The reflux extractor is used for reflux extraction to determine asphalt content in bituminous pavement mixtures. It consists of a metal condenser, an extraction jar, 2 copper wire mesh cones, a metal frame and a hot plate. Sample capacity 1000g.

It is suitable for testing the amount of asphalt used in asphalt pavement construction to evaluate the construction quality. It is also suitable for detecting the amount of asphalt on asphalt pavement in old road surveys. However, for coal asphalt pavement, original measurement data of the free carbon content of coal asphalt is required.

WORKING PRINCIPLE

Hot plates generate solvent vapor that passes around and through the sample contained in two wire mesh cones lined with filter paper. Reflux solvent condensing on the water-cooled condenser percolates through the sample repeatedly until the bitumen is extracted.

