

## Jabitherm RAPID-ESP

Focused for the development of RAPID-ESP was maximized functionality in extricable alliance with cost effectiveness for industrial applications. In other words: Diversity at minimum costs.

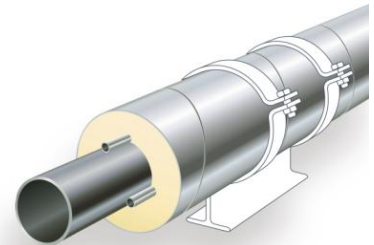
In most cases the view of contractors is primarily directed to the investment costs. Consequential costs for installation and maintenance recede to background. These indirect costs comprise efforts for installation work under difficult conditions (rain or snow), the availability of scaffolds, motion clearance within pipes in pipe bridges and the cost intensive production timeouts while changing separate pipelines.

By developing the pipe system **RAPID-ESP (Energy saving pipe)** Jabitherm encounters exactly these issues. The usage of the well-known and proven composite insulation system of the RAPID product line saves a vast part of time during insulation and transport. The composition of carrier pipe, excellent insulation foam and the metal jacket assures optimized handling and results in a fast and economical installation. Costs for scaffolds are impressively minimized due to employment of only insulation work at the joints. Therefore even weather conditions will lose their big impact of influencing the installation work. The walk-over and robust construction of the RAPID-ESP system enforces the fast time-saving installation.

The specific characteristics of RAPID pipe system enable the employment of clamps directly onto the outer jacket. This avoids heat transfer bridges between pipe and fixing, one typical weak point of a pipe line which will lead to significant heat losses and increased energy costs.

In times of continuously rising costs for energy the efficiency of energy gets focused more and more.

RAPID-ESP does have an insulation efficiency that is better by a third than conventional insulated pipe lines. This fact gets more valuable in combination with integrated pipe tracing, using electrical heating or heat transfer mediums.



Further surplus is the diffusion resistant jacket which protects the insulation material against ingress of moisture. At conventional systems this moisture decreases the insulation functions dramatically. In contrast to this the high efficiency of the RAPID System will remain permanent.

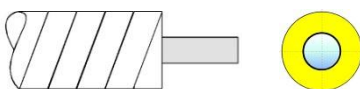
In addition, the RAPID-ESP piping system is distinguished by its slim construction. The high efficient insulation material allows diameter reduction while no loss of efficiency performance. The controlled production guarantees a consistent standard of quality.

RAPID-ESP is also available with an integrated preparation for tracing systems - **RAPID-ESP-HT**.

Insulation Diameter	Insulation thickness	
	Mineral wool	RAPID System
DN 50	50 mm	35 mm
DN 100	60 mm	40 mm
DN 150	75 mm	50 mm
DN 200	80 mm	55 mm
DN 300	100 mm	65 mm

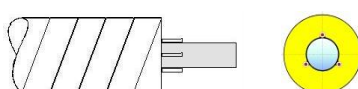
The product line RAPID-ESP provides the following designs:

### RAPID-ESP



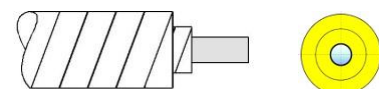
Pipe system consists of PU foam insulation and a single jacket.

### RAPID-ESP-HT



Pipe system consists of PU foam insulation and a single jacket with integrated preparation for tracing systems.

### RAPID-ESP+



Pipe system consists of a combination of PU foam insulation layers and a multiple jacket for increased bearing distances. Also available as HT design.