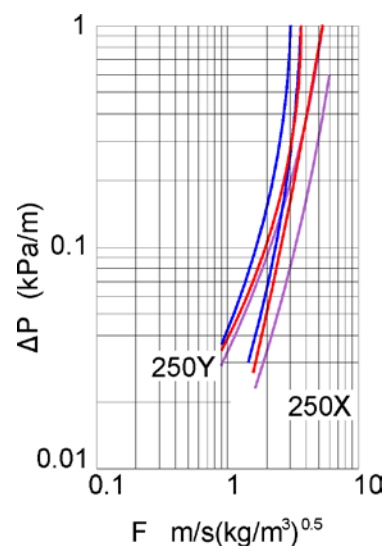
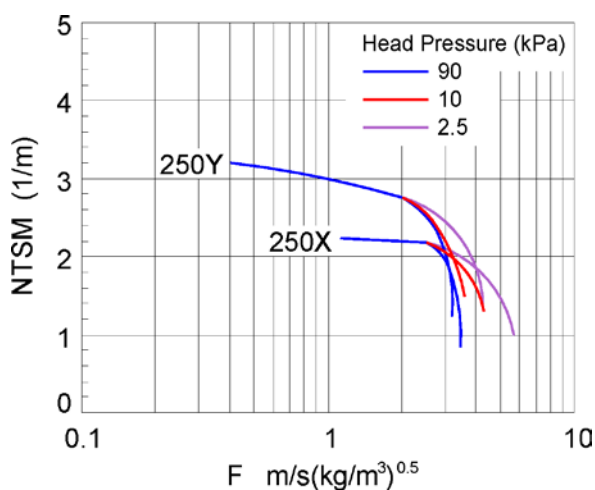


# STRUCTURED PACKING: BOOKLET

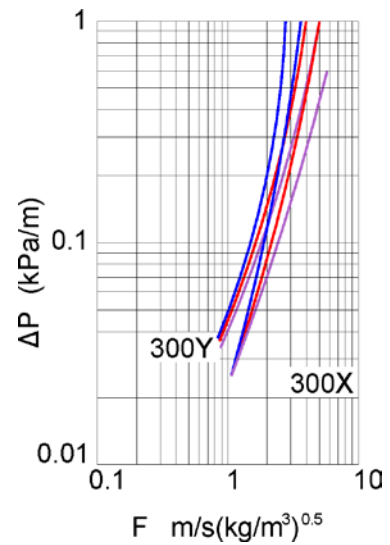
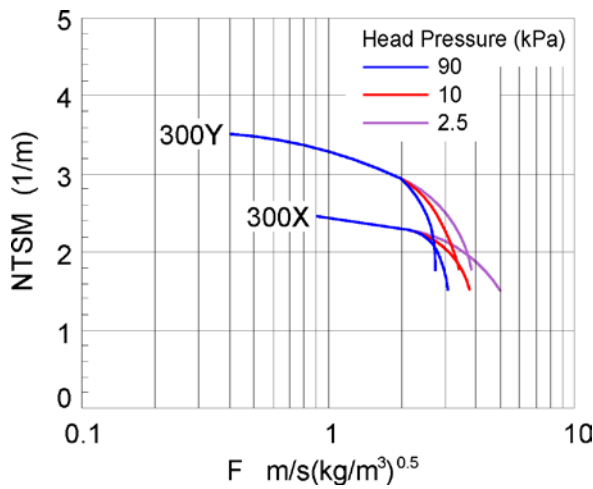
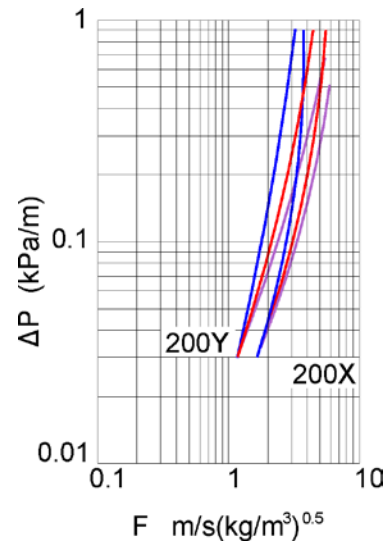
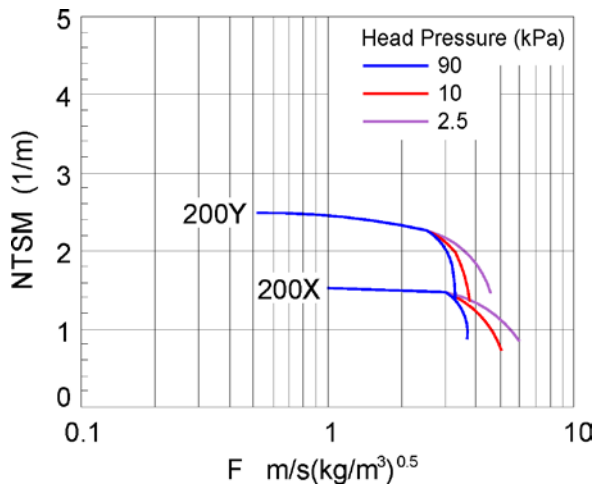
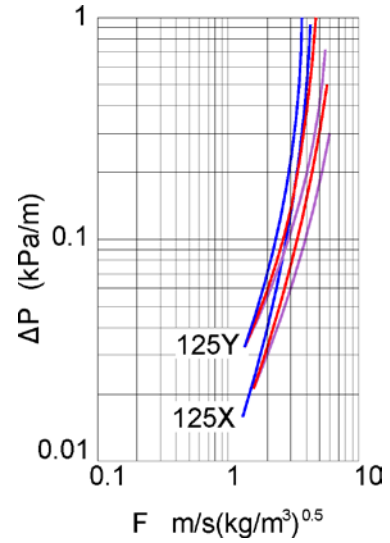
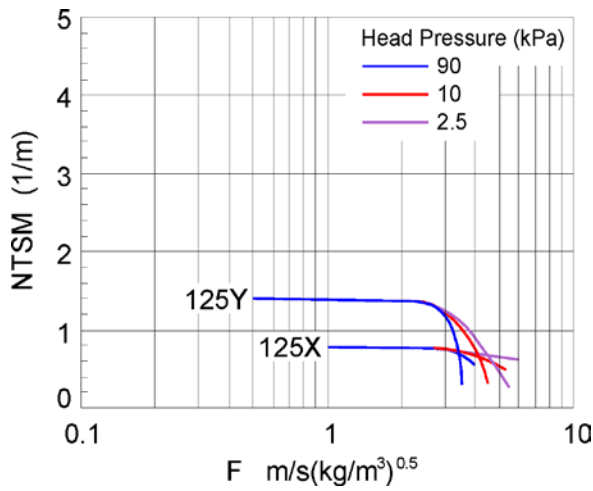
TYPES OF PACKING	SPEC. SURFACE	WEIGHT	OTHERS
Wire gauze S500X	500 m <sup>2</sup> /m <sup>3</sup>	220 kg/m <sup>3</sup>	Fine chemicals, head pressure < 300 mbar
Wire gauze S700Y	700 m <sup>2</sup> /m <sup>3</sup>	310 kg/m <sup>3</sup>	
Metal sheet 125X/Y	125 m <sup>2</sup> /m <sup>3</sup>	75 kg/m <sup>3</sup>	High liquid and gas load
Metal sheet 200X/Y	200 m <sup>2</sup> /m <sup>3</sup>	100 kg/m <sup>3</sup>	
Metal sheet 250X/Y	250 m <sup>2</sup> /m <sup>3</sup>	120 kg/m <sup>3</sup>	Standard
Metal sheet 300X/Y	300 m <sup>2</sup> /m <sup>3</sup>	145 kg/m <sup>3</sup>	Higher NTSM at lower capacity
Metal sheet 350X/Y	350 m <sup>2</sup> /m <sup>3</sup>	170 kg/m <sup>3</sup>	
Metal sheet 400X/Y	400 m <sup>2</sup> /m <sup>3</sup>	200 kg/m <sup>3</sup>	High NTSM
Metal sheet 500X/Y	500 m <sup>2</sup> /m <sup>3</sup>	240 kg/m <sup>3</sup>	
Metal sheet 700X/Y	700 m <sup>2</sup> /m <sup>3</sup>	330 kg/m <sup>3</sup>	
High capacity packing H255	250 m <sup>2</sup> /m <sup>3</sup>	120 kg/m <sup>3</sup>	High capacity with corresponding NTSM
High capacity packing H305	350 m <sup>2</sup> /m <sup>3</sup>	145 kg/m <sup>3</sup>	
High capacity packing H355	350 m <sup>2</sup> /m <sup>3</sup>	175 kg/m <sup>3</sup>	
High capacity packing H405	400 m <sup>2</sup> /m <sup>3</sup>	200 kg/m <sup>3</sup>	
High capacity packing H500	500 m <sup>2</sup> /m <sup>3</sup>	240 kg/m <sup>3</sup>	
High capacity packing H700	700 m <sup>2</sup> /m <sup>3</sup>	330 kg/m <sup>3</sup>	

## METAL-PACKING

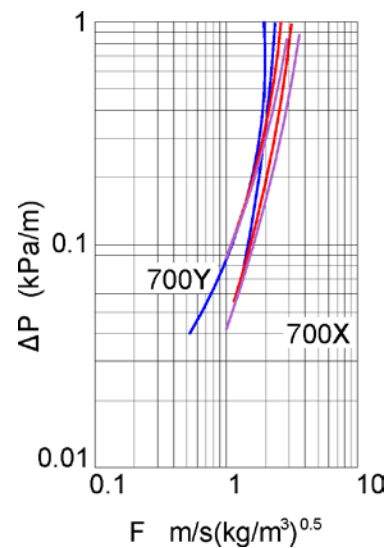
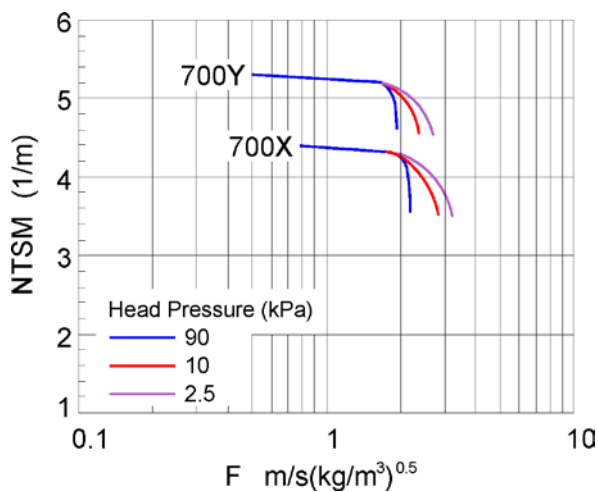
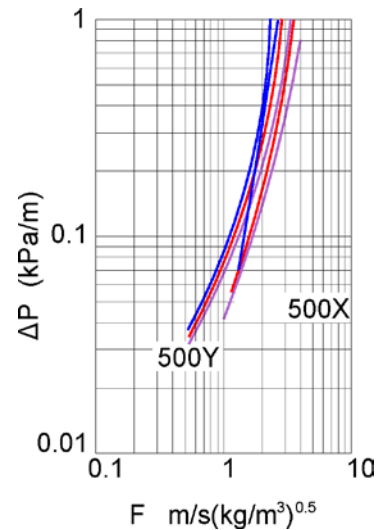
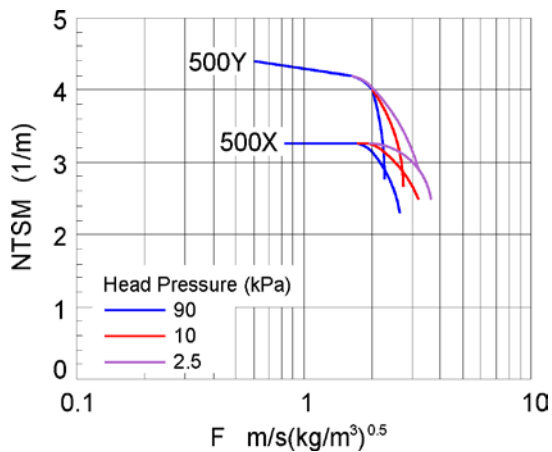
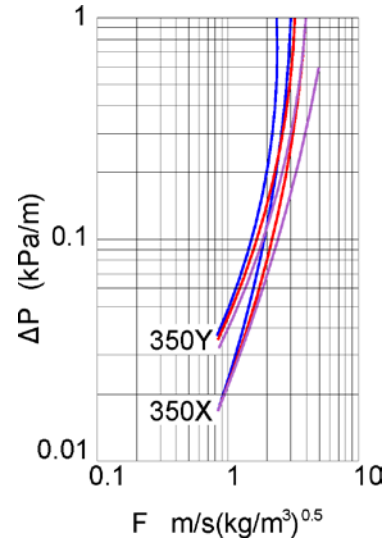
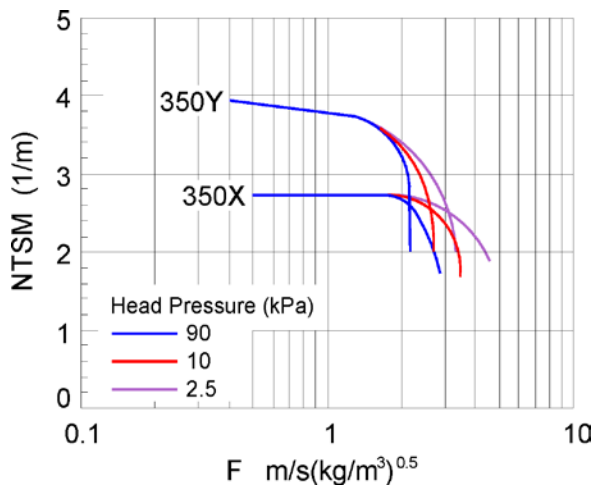
**Very well known structured packing made of metal sheets.** The punched and grooved surface structure provides ideal contact between gas and liquid flow.



# STRUCTURED PACKING: BOOKLET



# STRUCTURED PACKING: BOOKLET



## WIRE GAUZE-PACKING

**Wire gauze packing are in successful use for more than 40 years.**

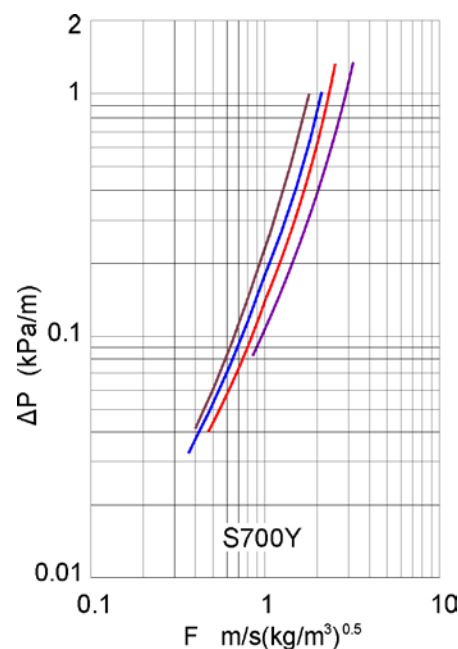
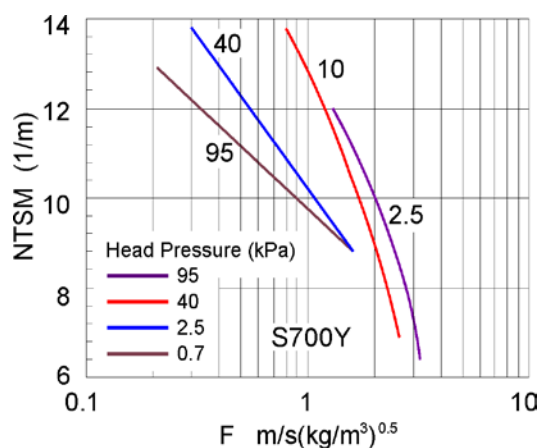
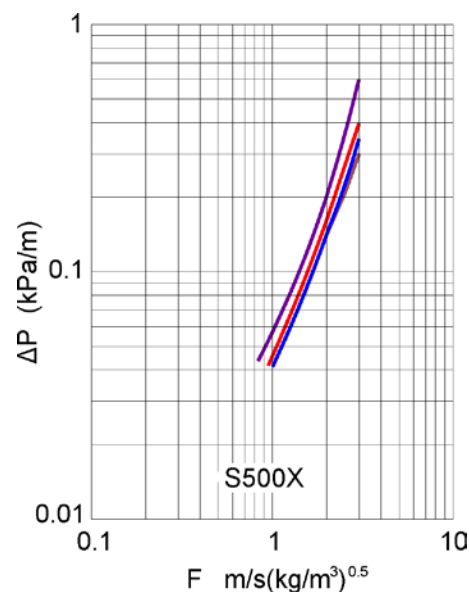
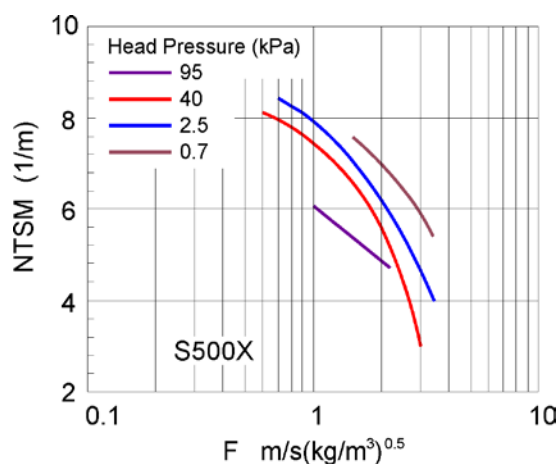
The special wire gauze is designed to provide the best performance and pressure drop per theoretical stage in the vacuum range from 1 mbar. Separation of temperature sensitive substances can be done like with no other packing. Columns up to 6 meter in diameter have been successful equipped.

### Preferred applications

- In vacuum from 1 to 100 mbar
- Separation of isomers, vitamins, fragrances and fine chemicals
- Fatty acids, cyclohexanol/one, caprolactame, TDI/MDI
- Pilot columns with confident scale-up

### Special features

- Very high NTSM
- Very low pressure drop per theoretical stage
- Minimum liquid load (< 0.1 m<sup>3</sup>/m<sup>2</sup>h) is possible
- Small hold-up



## HIGH CAPACITY PACKING

The impulse sections at the end of each packing layer decrease the local pressure drop at this point. This eliminates the sudden change in flow direction of the liquid and vapour phases at the packing layer interface.

The impulse section in the middle of each layer gives an extra turbulence and a better liquid flow.

With this patented packing the capacity of columns can be enhanced appr. 30%.

### Preferred applications

- Vacuum to overpressure
- Large scale production
- Increasing throughput on existing packed columns

