

technews

- ▶ *Vertical pulp presses*
HP 3000 / HP 4000



BMA 

The successful vertical BMA pulp press HP 4000 has been developed into a highly standardized supply line. Two presses with different diameters, the HP 3000 and HP 4000 types, are available in three different lengths each: K, M and L. Their design is such that for a future increase in capacity the shorter press can be modified into the respective longer one.

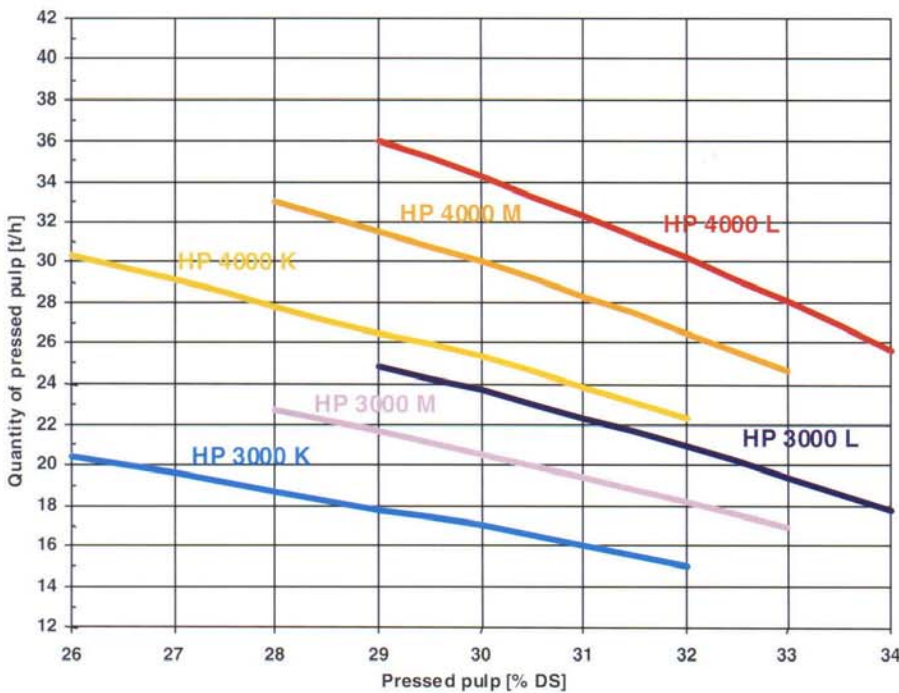
Many BMA customers appreciate this high flexibility.

The BMA presses are highly efficient, especially due to the newly developed outer screen shell. The hydraulic resistance produced by the screen holes has been reduced substantially. The specific design of the screen surface ensures optimum conveyance over the full speed range.

Of course, there are many other details which have been improved with regard to less maintenance and repairs. The only thing required after the campaign is to just clean the press. This is an as yet unequalled BMA standard.

Technical data

| | HP 3000 K | HP 3000 M | HP 3000 L | HP 4000 K | HP 4000 M |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Dia. of screen basket [mm] | 3,000 | 3,000 | 3,000 | 4,000 | 4,000 |
| Length of spindle [mm] | 9,900 | 11,900 | 13,900 | 9,900 | 11,900 |
| Installed power [kW] | 330 | 450 | 450 | 440 | 495 |



Performance data

subject to addition of gypsum

(calcium sulfate dihydrate), max. 0,17% o. b.

As there are factories in the world which do not dry pressed pulp or only part of it, but require less dry substance for cattle feed and ensilage, BMA included in its supply line, in addition to the types described before, a type of press which is especially designed for dry substance contents of 23% to 27% and adequately higher throughputs.

These presses provide more distance between the spindle and the screen shell and are also available with screen baskets of 3,000 and 4,000 mm diameter and in the long (L) or medium (M) versions. For easier distinction, these presses are identified by the additional index letter W.



| <i>HP 4000</i> <i>L</i> | <i>HP 3000</i> <i>M/W</i> | <i>HP 3000</i> <i>L/W</i> | <i>HP 4000</i> <i>M/W</i> | <i>HP 4000</i> <i>L/W</i> |
|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 4,000 | 3,000 | 3,000 | 4,000 | 4,000 |
| 13,900 | 11,900 | 13,900 | 11,900 | 13,900 |
| 550 | 330 | 375 | 405 | 450 |

HP 4000
adjacent to
extraction tower

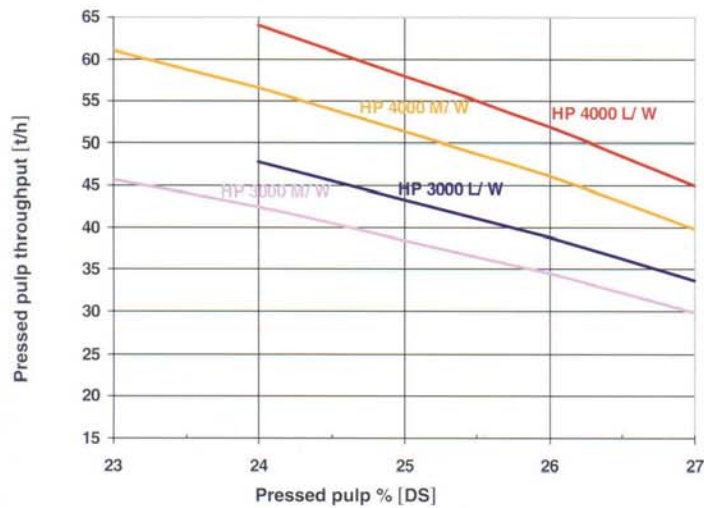




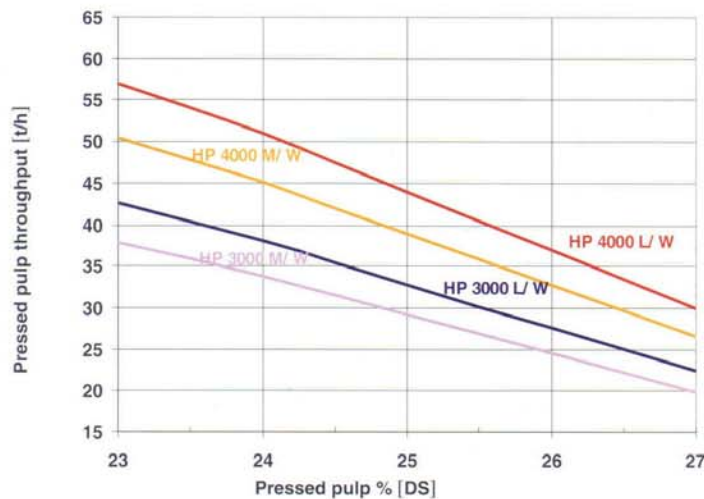
Features and advantages

- Wide performance spectrum
- Extension possible for future increase in capacity
- Improved design for further minimization of maintenance and repair costs
- High throughput in relation to achievable dry substance content in pressed pulp
- Erection on simple foundation, no need for additional steel structure

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Performance W
 with addition of gypsum



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