FILLING OF CARBONATED AND NON-CARBONATED DRINKS INTO PET BOTTLES

FILLING METHOD
- mechanical volume filling using cylinders

FILLING OPTIONS
- mineral water
- still water
- soft drinks
- sparkling wine
- carbonated and non-carbonated liquids
- filling to PET or glass bottles

BASIC PRINCIPLE OF FILLING
- the liquid is released into the measuring cylinder
- from here the liquid is drained into bottles in a precisely pre-measured volume along the walls of the bottles
- air is extracted from the bottle by an air tube to a space outside the tank
- the filled volume is defined by adjustment of the height of the piston of the filling valve

FILLING OPTIONS
- filling to PET or glass bottles

PRINCIPLE AND PARAMETERS
- faster speed of filling - lesser number of filling valves
- reduction of 80% in loss of beverages in the event of interruption of filling-special emptying cistern
- fast change of volumes to be filled, without the necessity to intervene with the filling valves,
- always the same volume of filled liquid in PET bottle regardless of pressure during the filling process or the quality of the PET bottles
- filling within the volume range of 0,33 l - 2,5 l
- single - or double - evacuation for glass bottles
- irrigation of bottle - for PET bottles - and foaming permits the achieving of a low increase of O₂ during filling
- application of inert gas (liquid N₂) to the bottleneck space, after the filling of the bottle, before capping - creates protection of the beverage from oxygen activity (increasing shelf life and maintaining taste) and from hardening of the bottle prior to further manipulation (labelling, packaging and palletisation)
- in the case of non-carbonated beverages

EXAMPLE OF SOLUTION
- Veseta spol. s.r.o., plant Litovel, Czech republic
  PETBLOK 48/80/10
- Ondrášovka a.s., plant Ondrášov, Czech republic
  PETBLOK 48/80/10 ULTRACLEAN
  PETBLOK 40/64/8
- VÄRSKA VESI AS, Varska, Estonia
  PETBLOK 30/50/8
- Telemark Kildevann, Fryesdal, Norway
  PETBLOK 40/64/10
- UAB „Kalnapilio-Tauro grupe“, Panevežys, Latvia
  PETBLOK 48/90/10