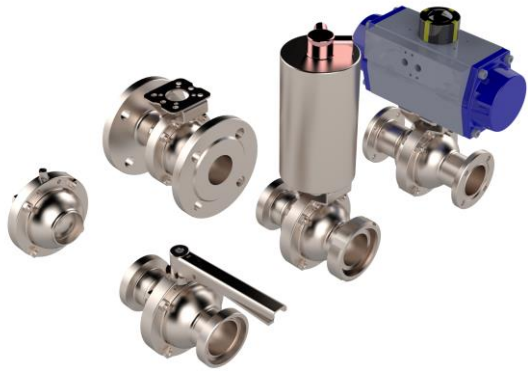


ES ARMATUREN GmbH

hygienic solutions



HYGIENIC FITTINGS AND PIGGING TECHNOLOGY

Pigging systems

"It is not only since today that the calls for environmental protection, conservation of resources, sustainability, but also for cost savings, increased productivity and flexibility, have become louder and louder."

These are exactly the points you will find in product recovery technology:

- Product recovery (>99%)
- Safe product separation (no mixed phases)
- Faster product changeover
- Shorter cleaning times
- Saving resources and energy

Why?

Components of the pigging systems



- Pig sending and receiving stations
- Pig cleaning stations
- Pig stopper
- Whey soft
- Piggable valves

ES pigging system overview

** All types available as double pigging system*

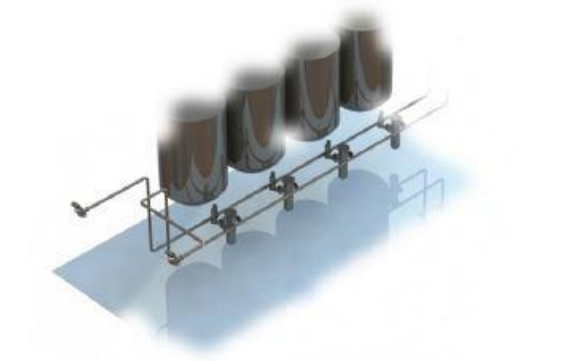
ESH-MB BASIC STATION	ESH-MB+	ESH-MF	ESH-MF+
Basic Station without valves	with valves for pig driving medium/draining manual/automated (without cleaning chamber)	with valves for pig driving medium/draining manual/automated with cleaning chamber (enables pig flushing with driving medium or CIP)	with valves for pig driving medium/draining manual/automated with integrated cleaning chamber CIP (separate flush line in the chamber)
Pigging station is open for removal the pig-ball (Pigging-ball can be cleaned with hand)	Pigging station is open for removal the pig-ball (Pigging-ball can be cleaned with hand)	Pigging station is closed (Pig-ball can be cleaned in the station without removal)	Pigging station is closed (Pig-ball can be cleaned in the station without removal)

Pigging technology from ES Armaturen GmbH enables a resource-saving, hygienic and economical production process.

PIGGING SYSTEM

Our services

- Recording the actual situation on site
- Concept development
- Planning and subsequent detail engineering
- Production of the components
- Installing the system
- Automation
- Commissioning
- After Sales / Service / Optimisation



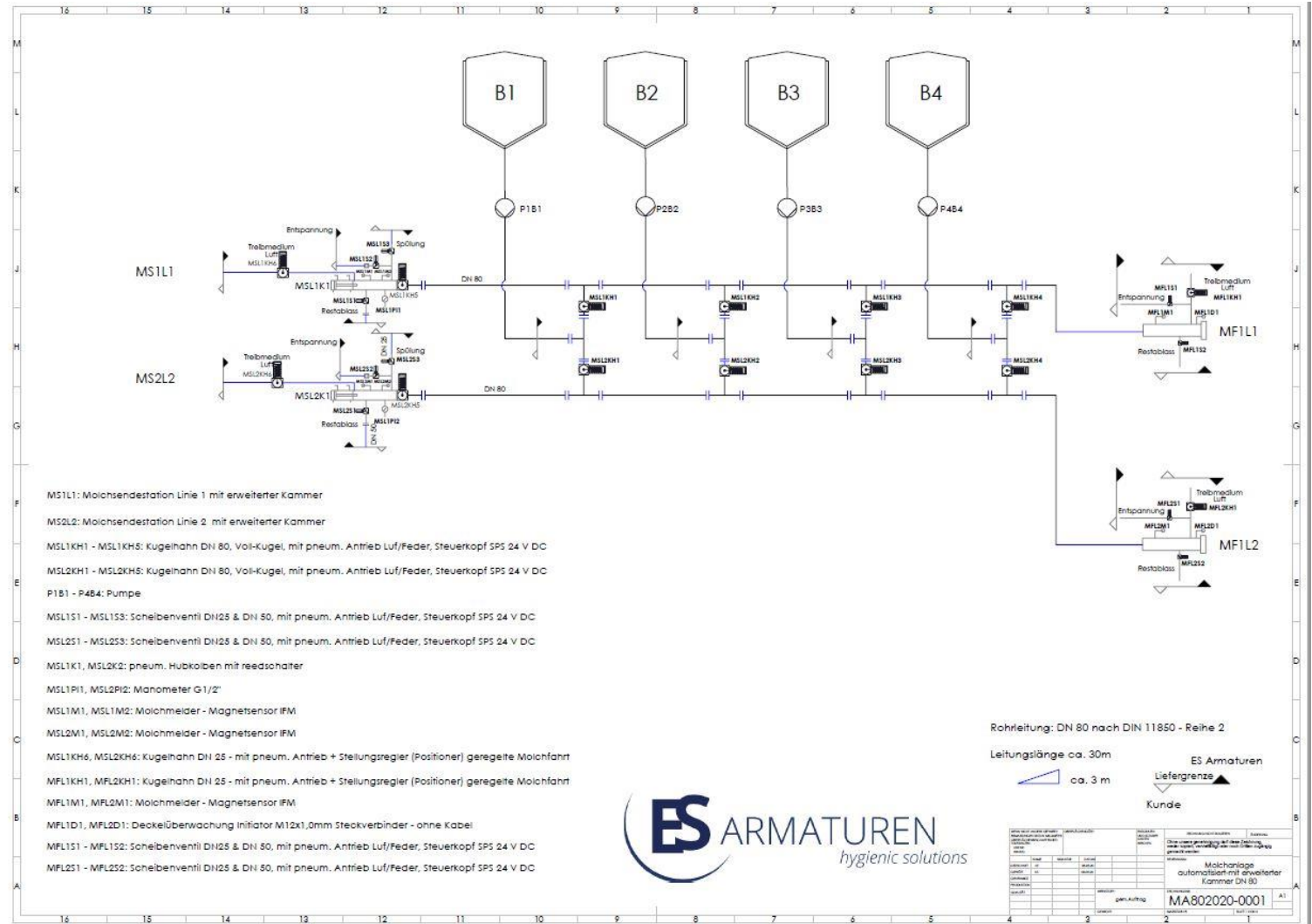
PROJECT PROCEDURE

CONCEPT

The pigging systems are always adapted to the customer's wishes and the conditions on site.

So in the end the system becomes

Your system



ESH-M HYGIENIC PIGGING STATIONS



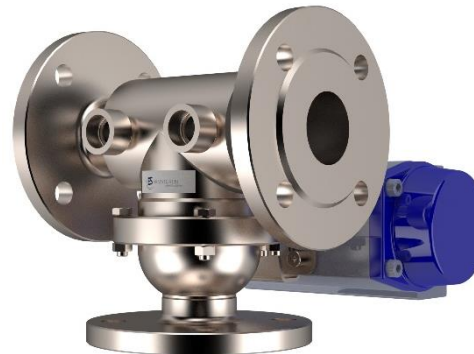
- Single or double milking system
- Modular design of ESH-M pigging systems
- Compact design
- Low maintenance
- Low dead space
- Germ-free
- No contamination due to the use of ESH ball valves
- Maximum production reliability
- Loss-free product recovery
- Own production and assembly

- Nominal width: DN 25 - DN 125
- Manual or automated
- with or without rinsing chamber
- Regulated pigging possible



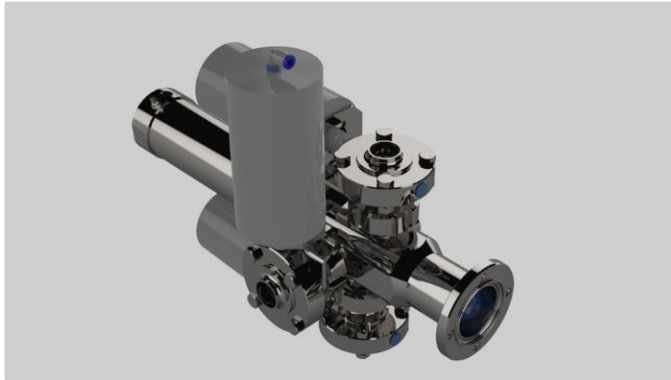
ESH-TK PIGGABLE T-COMBINATIONS

- Compact design
- Swamp arm
- Low maintenance
- Low dead space
- Germ-free
- Piggable
- Can be combined with disc valve or ESB ball valve
- Special designs on request
- Optionally with **heating jacket**



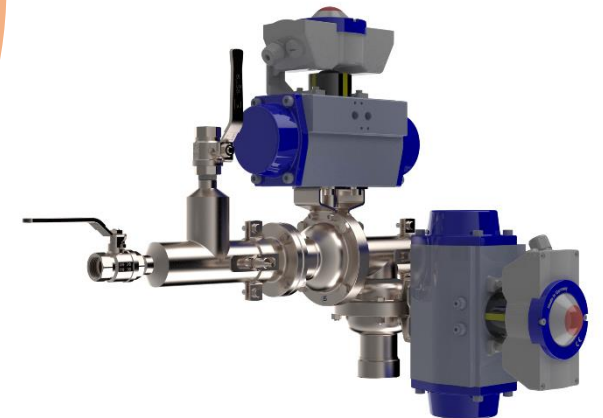
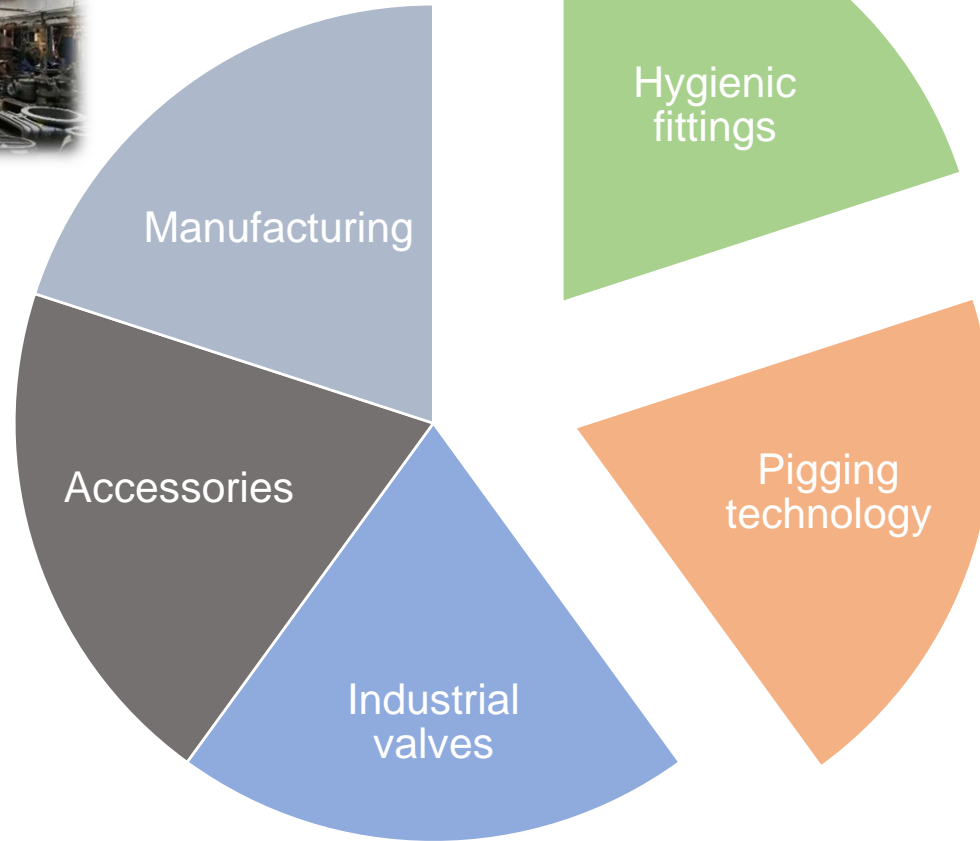
- Nominal width: DN 25 - DN 100
- Seal: PTFE/HNBR/EPDM/FKM (FDA-compliant)
- Solid, T, C ball
- with manual override or pneumatic actuator
- Temperature from -10° to +260°C
- WAZ according to DIN EN 102204-3.1
- Dimensions according to DIN, ZOLL or ISO

Your application, our solution, your added value!



- Food
(sweets/chocolate/cheese/sauces/convenience/
beverage/meat & pet food etc.)
- Pharma- & Cosmetic (tooth
paste/shampoo/detergents etc.)
- Chemistry (paint & raw material etc.)

THE KNOW-HOW



ABOUT US

DISTRIBUTION



- Many years of experience in the distribution of ...
- Hygienic fittings
- Standard fittings
- Pigging technology
- Process optimisation
- Cost optimisation in the area of plant construction

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CONTACT



HYGIENIC FITTINGS AND PURGING TECHNOLOGY

Thank you for your attention!

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