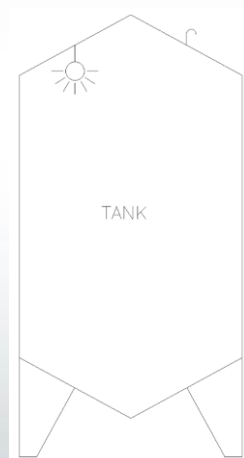


PIGGING SYSTEM EXAMPLE

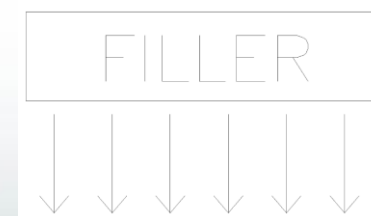
New line

4 x



Length : 100 m
Heigh difference : 1 m
Ø 76 SMS (ØI : 72,9mm / ØE : 76,1mm)

2 x

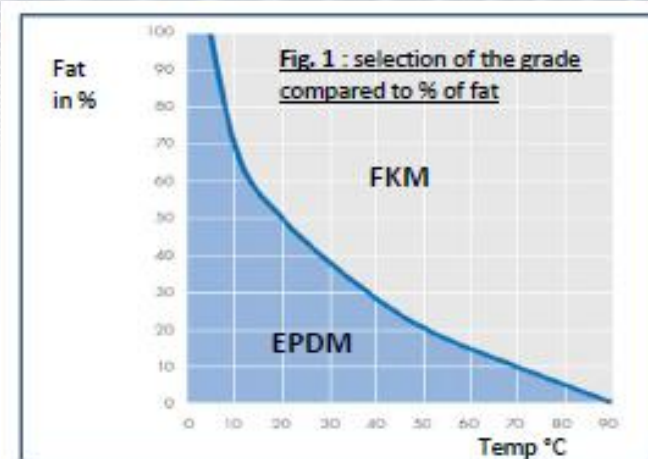


PRODUCT

CREAM		
10 %	15 %	20 %
1800 Cp	2500 Cp	5000 Cp
13 °C	13 °C	13 °C
1037 kg/m ³	1037 kg/m ³	1037 kg/m ³

SEALS

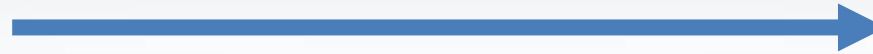
	EPDM		FKM	
Information	For water, steam, acid and base. Not suitable for fatty substances. The most frequent solution in food industry		Excellent resistance to oil, fatty substances, chemical products (concentrated acids, base and peroxide). Good resistance against high temperature	
Product	Static	Dynamic	Static	Dynamic
Min Température (°C)	-30°C	-10°C	0°C	1°C
Max Température (°C)	150°C	130°C	150°C	130°C
Steam	Static	Dynamic	Static	Dynamic
Continuous max. temperature	140°C	120°C	150°C	130°C
Max. flash temperature (15-20 min)	160°C	x	170°C	x
Characteristics / Resistance				
Oil				
Fatty substance	* See Fig. 1			
CIP				
SIP	Up to 140°C		Up to 160°C	
Aggressive chemical products				
Essential oils and concentrated perfumes				
Abrasion resistance				
Elasticity				
Low temperature				
Homologations				
FDA 21 CFR 177.2600				
CE 1935 / 2004				
ADI free				
3-A* Sanitary Standards				
USP Ch. 87 and Ch. 88 – Class VI				
NSF 51				
BNIC				



🟢🟢	Very good
🟡	Good
🔴	Low performance



ENERGY



WATER	AIR
Source	Source
Drain	Drain

WATER	AIR
Source	Source
Drain	Drain

FLOW

SPEED	Ø SMS 76
2 m/s	501 l/min
1,75 m/s	438 l/min
1,5 m/s	376 l/min
1,25 m/s	313 l/min
1,00 m/s	250 l/min
0,75 m/s	188 l/min
0,50 m/s	125 l/min
0,25 m/s	63 l/min
0,10 m/s	25 l/min
0,00 m/s	0 l/min

BACK PRESSURE WITH PRODUCT



+

Pressure needed
to push product

+

Additional back pressure
Elbows
Height difference

0,5 to 1 bar

6 bar

+/- 0,5 bar
(Security)

**7/8 bars
MAX**

BACK PRESSURE WITH WATER



+

Pressure needed
to push water

+

Additional back pressure
Elbows
Height difference

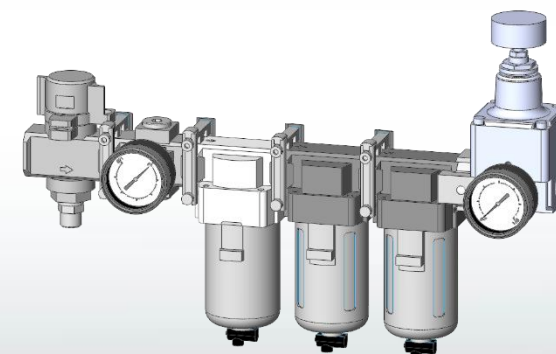
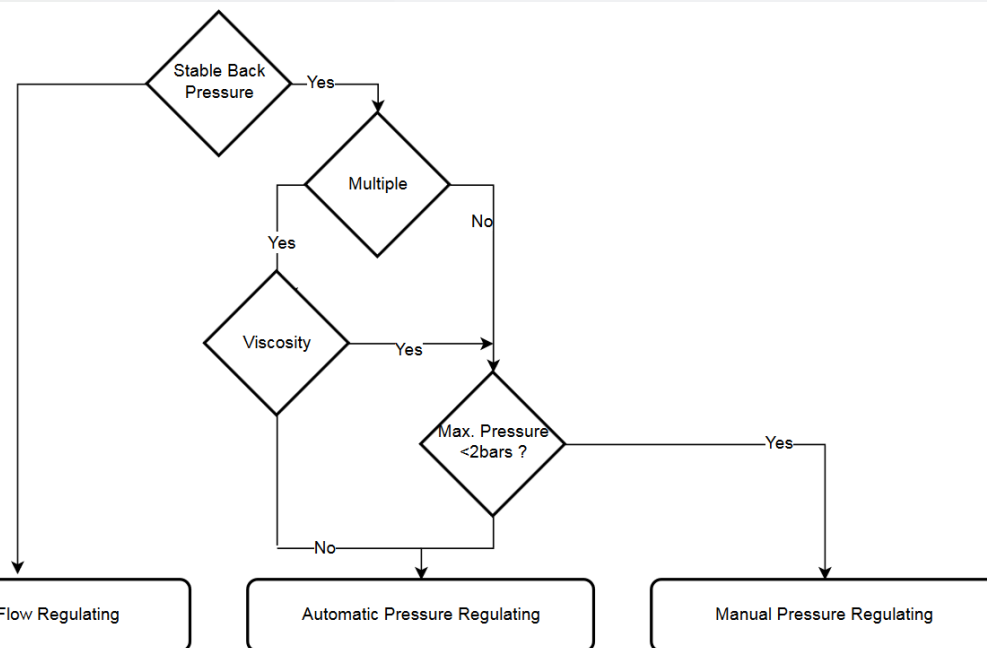
0,5 to 1 bar

0,5 bar

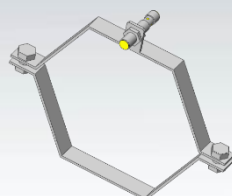
+/- 0,5 bar
(Security)

1/2 bars MAX

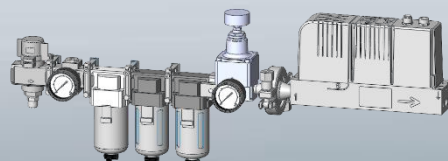
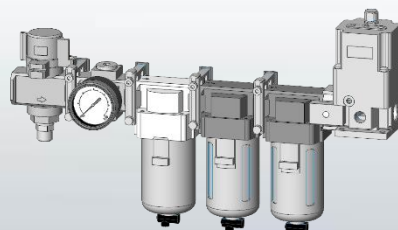
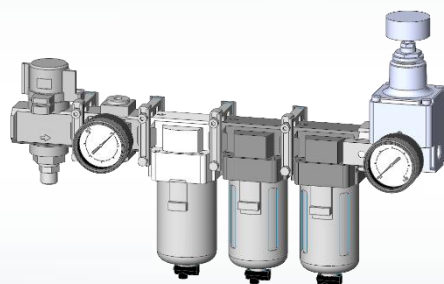
AIR TREATMENT UNIT



SENSORS



1 sensor at 2-3 m from each station

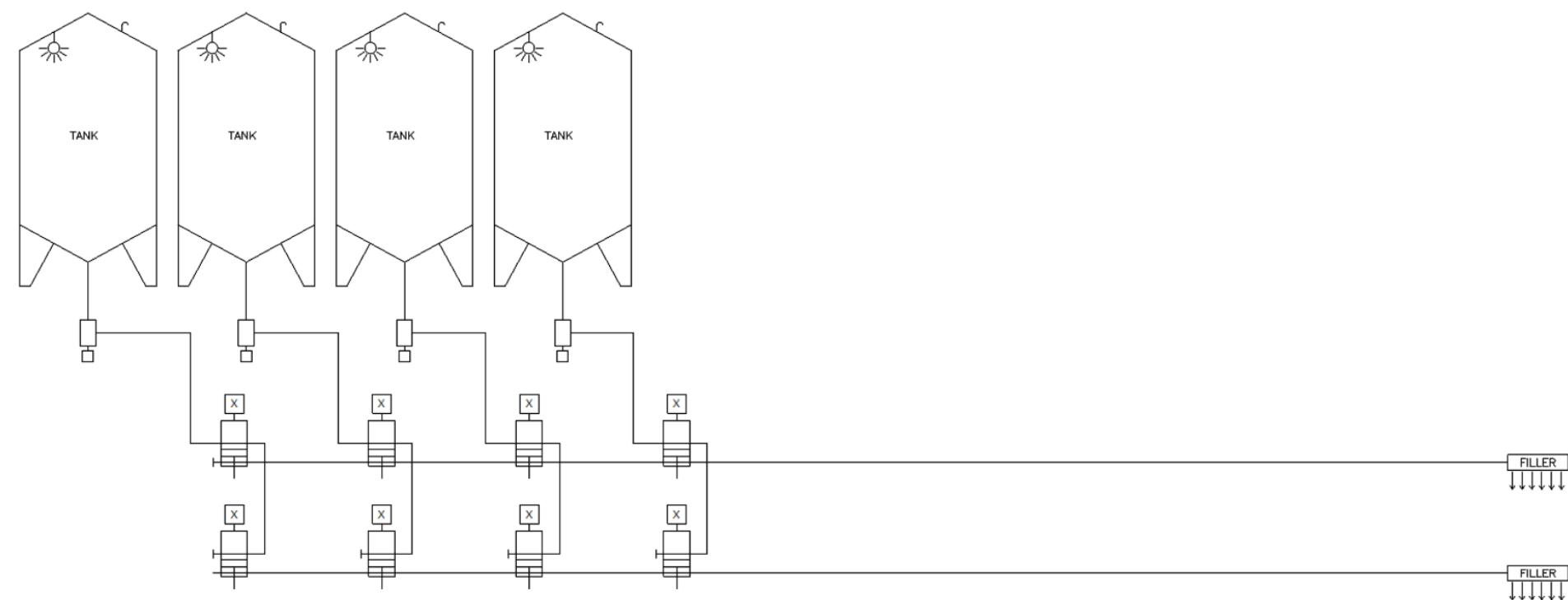


Every 20 m

If you want to manage
speed
Improve pigging
sequence

Every 50 m

PID



PID

