



Hose Pumps  
**VALISI**  
a brand of Asco Pompe



**VALISI Pumps N Series**  
Hose pumps with roller technology

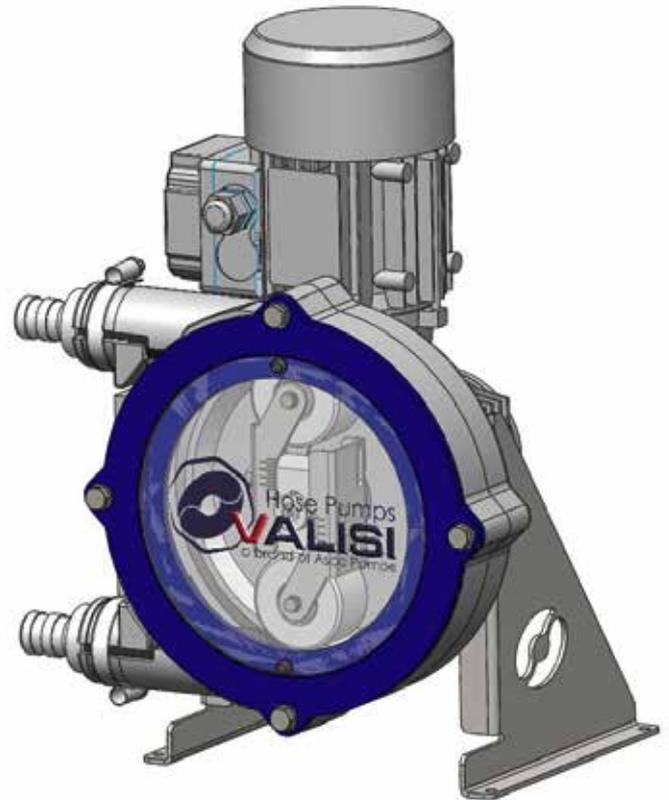


**HOSE PUMPS**  
**MODELS N2 - N3 - N4**  
Roller technology



VALISI Hose pumps are peristaltic pumps, a very simple and reliable technology for transferring and dosing a wide range of fluids in different applications. These pumps are sealless: the hose contains the pumped liquid thus eliminating the possibility of fluid contamination.

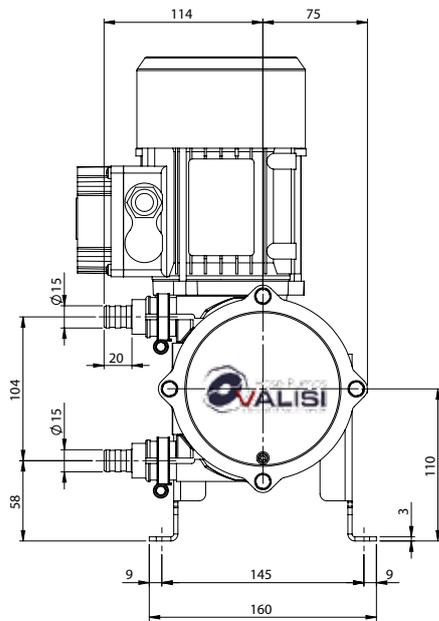
A wide range of hoses with different chemical compatibility and mechanical resistance can be selected to meet the requirements of the application. Roller technology doesn't require any lubricant to grant a satisfactory lifetime of the hose. The pumps are bi-directional, self priming, easy to clean, and can run dry: pump maintenance is very quick and simple. The models N2-N3-N4 are the smallest sizes among the Valisi range and suitable for OEM applications, thanks to their compact design and light weight.



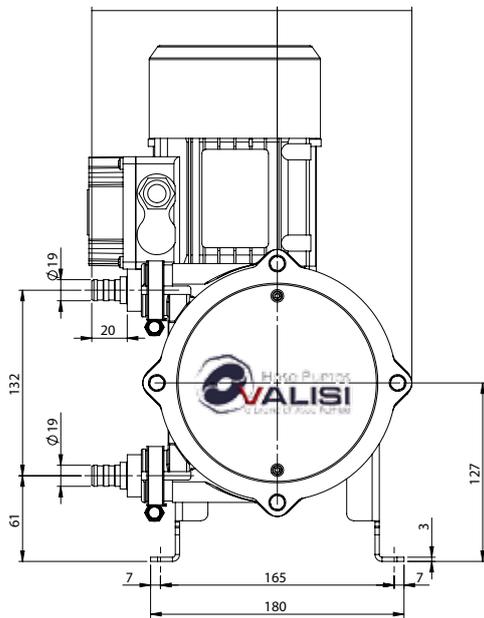
**Specifications**

- Max. discharge pressure: 4 bar (58 psi)
- Max. liquid temp.: 90°C (194°F)
- Achievable suction: up to 0,8 bar (12 psi)
- Suitable for: Intermittent operation only

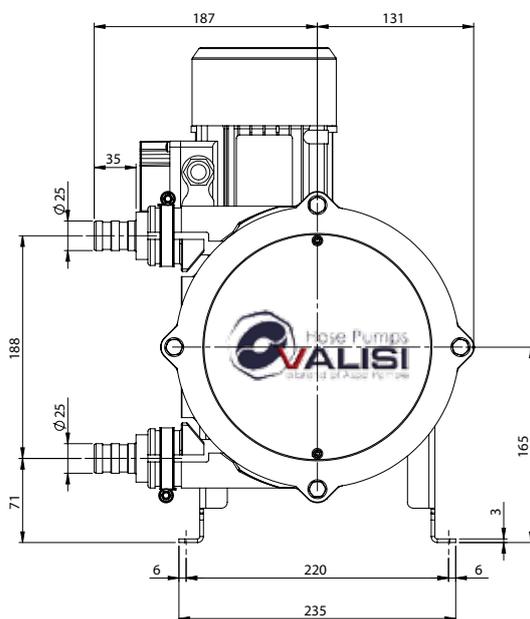
PUMP MODEL	HOSE DIA. (INTERNAL)	CONNECTIONS	MOTOR POWER	GEAR RATIO	FLOW RATES - 4 POLES	
					50 Hz	60 Hz
N2	9 mm	Hose Barb 16 mm	0,18 kW (0,25HP)	1:100	15 L/h @ 15 RPM	18 L/h @ 18 RPM
				1:60	24 L/h @ 24 RPM	29 L/h @ 29 RPM
				1:40	36 L/h @ 36 RPM	43 L/h @ 43 RPM
				1:30	48 L/h @ 48 RPM	58 L/h @ 58 RPM
				1:20	73 L/h @ 73 RPM	88 L/h @ 88 RPM
N3	13 mm	Hose Barb 19 mm	0,18 kW (0,25HP)	1:100	38 L/h @ 15 RPM	46 L/h @ 18 RPM
				1:60	60 L/h @ 24 RPM	72 L/h @ 29 RPM
				1:40	90 L/h @ 36 RPM	108 L/h @ 43 RPM
				1:30	120 L/h @ 48 RPM	144 L/h @ 58 RPM
				1:20	183 L/h @ 73 RPM	220 L/h @ 88 RPM
N4	17 mm	Hose Barb 25 mm	0,18 kW (0,25HP)	1:100	98 L/h @ 15 RPM	117 L/h @ 18 RPM
				1:60	156 L/h @ 24 RPM	189 L/h @ 29 RPM
				1:46	208 L/h @ 32 RPM	247 L/h @ 38 RPM
				1:35	267 L/h @ 41 RPM	325 L/h @ 50 RPM
				1:20	475 L/h @ 73 RPM	572 L/h @ 88 RPM



N2



N3



N4

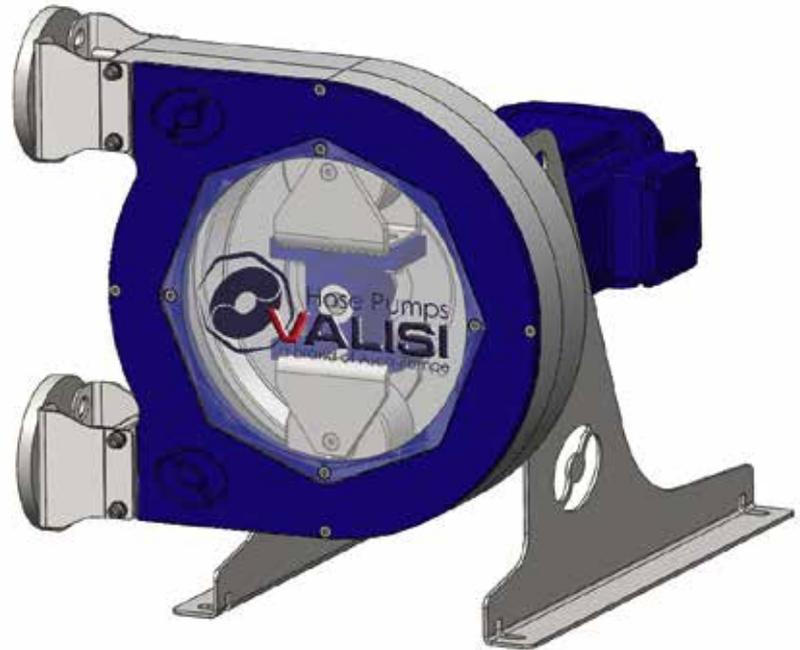


**HOSE PUMPS**  
**MODELS N5N - N6N - N7N**  
Roller technology

VALISI Hose Pumps are peristaltic pumps, a very simple and reliable technology for transferring and dosing a wide range of fluids in different applications.

These pumps are sealless: the hose contains the pumped liquid thus eliminating the possibility of fluid contamination.

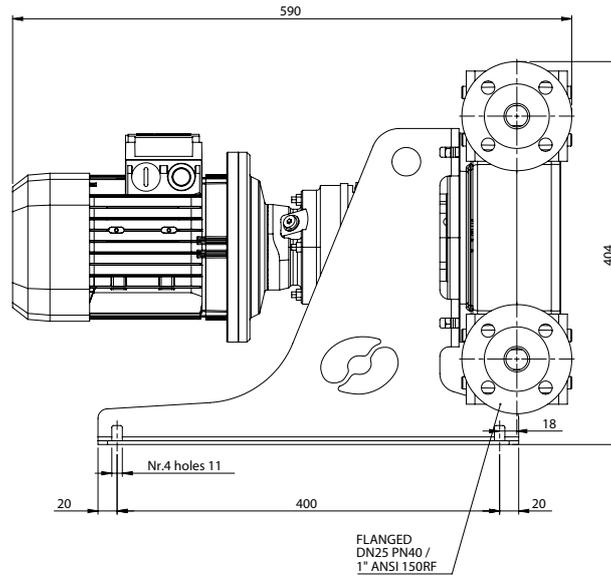
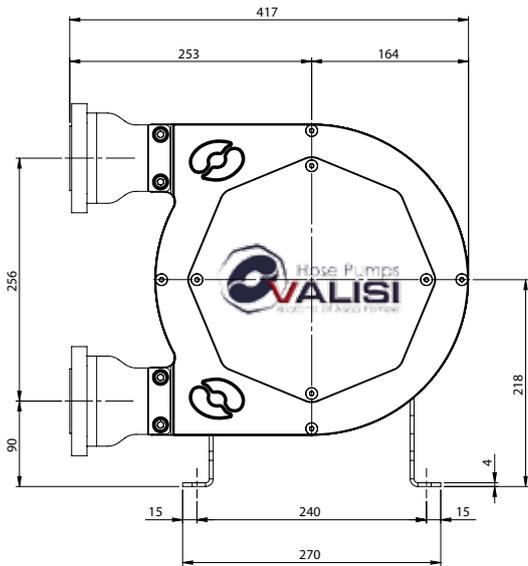
A wide range of hoses with different chemical compatibility and mechanical resistance can be selected to meet the requirements of the application. Roller technology doesn't require any lubricant to grant a satisfactory lifetime of the hose. The pumps are bi-directional, self priming, easy to clean, and can run dry: pump maintenance is very quick and simple. The models N5N-N6N-N7N are the medium sizes among the Valisi range and suitable for Industrial applications, thanks to their compact and sturdy design.



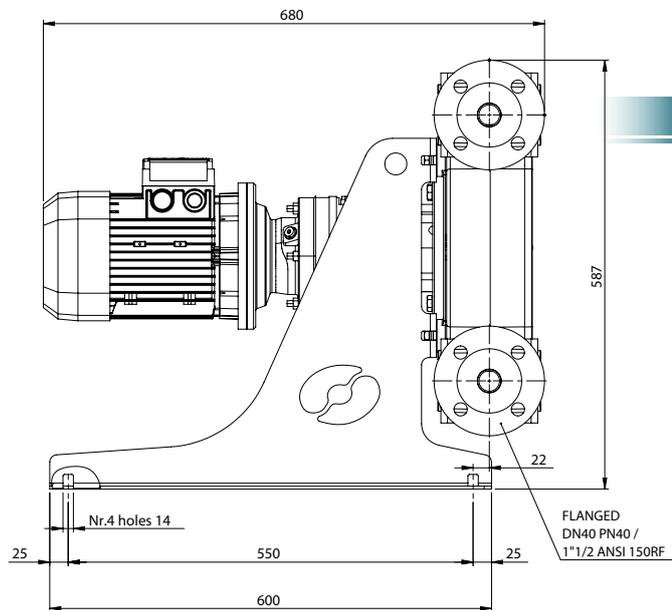
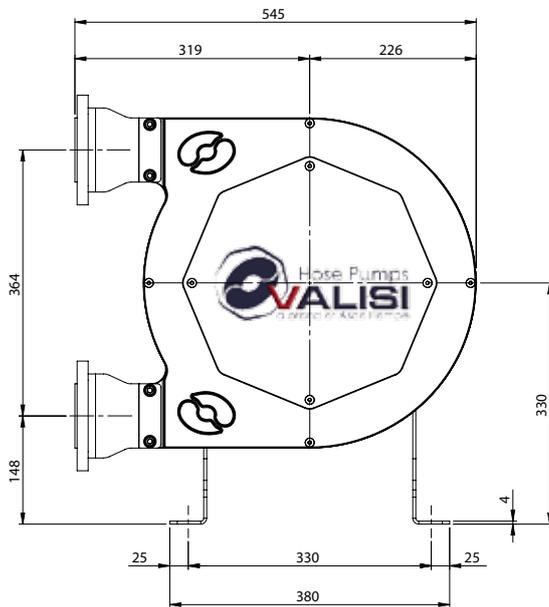
**Specifications**

Max. discharge pressure:	7 bar (101 psi)
Max. liquid temp.:	90°C (194°F)
Achievable suction:	up to 0,8 bar (12 psi)
Suitable for:	Intermittent operation only

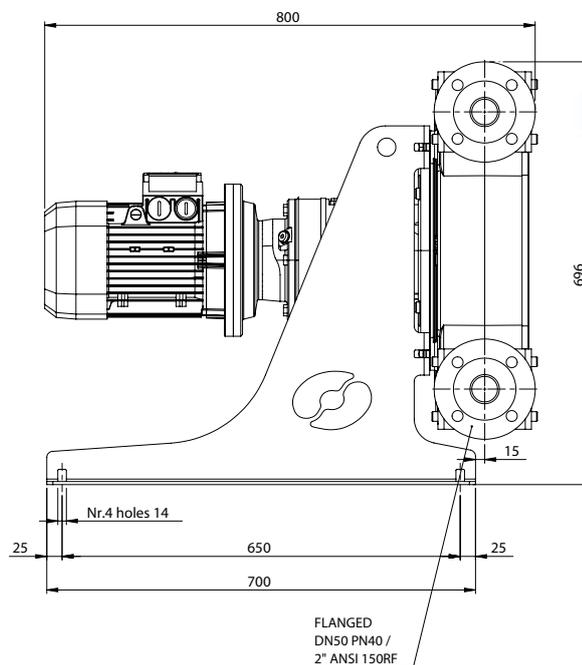
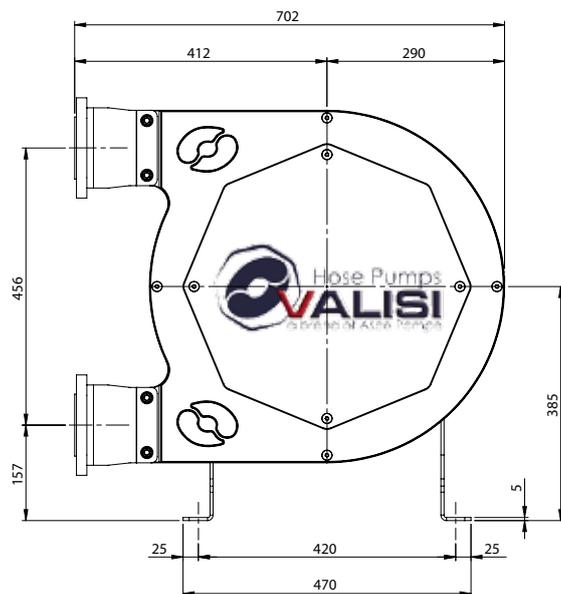
PUMP MODEL	HOSE DIA. (INTERNAL)	CONNECTIONS	MOTOR POWER	GEAR RATIO	FLOW RATES - 4 POLES	
					50 Hz	60 Hz
N5N	25 mm	Flanged DN 25/ANSI 1"	0,55 kW (0,75 HP)	1:86	309 L/h @ 16 RPM	371 L/h @ 19 RPM
				1:50	83 L/h @ 25 RPM	80 L/h @ 30 RPM
				1:45	618 L/h @ 32 RPM	742 L/h @ 38 RPM
				1:37	753 L/h @ 39 RPM	904 L/h @ 47 RPM
				1:29	965 L/h @ 50 RPM	1.158 L/h @ 60 RPM
				1:25	1139 L/h @ 59 RPM	1.367 L/h @ 71 RPM
N6N	30 mm	Flanged DN 40/ANSI 1" ½	1,5 kW (2 HP)	1:69	874 L/h @ 21 RPM	1.050 L/h @ 25 RPM
				1:58	1.000 L/h @ 24 RPM	1.200 L/h @ 29 RPM
				1:48	1.250 L/h @ 30 RPM	1.500 L/h @ 36 RPM
				1:39	1.500 L/h @ 36 RPM	1.800 L/h @ 43 RPM
				1:35	1.705 L/h @ 41 RPM	2.046 L/h @ 49 RPM
				1:31	1.870 L/h @ 45 RPM	2.245 L/h @ 54 RPM
N7N	45 mm	Flanged DN 50/ANSI 2"	2,2 kW (3 HP)	1:27	2.250 L/h @ 54 RPM	2.700 L/h @ 65 RPM
				1:77	2.195 L/h @ 19 RPM	2.634 L/h @ 25 RPM
				1:58	2.775 L/h @ 24 RPM	3.330 L/h @ 29 RPM
				1:46	3.700 L/h @ 32 RPM	4.440 L/h @ 38 RPM
				1:39	4.160 L/h @ 36 RPM	4.995 L/h @ 43 RPM
				1:32	5.085 L/h @ 44 RPM	6.105 L/h @ 53 RPM



**N5N**



**N6N**



**N7N**



## VALISI HOSE FEATURES

Two rollers mounted on the rotor compress alternatively the hose inside the pump head while pushing the liquid to the discharge side.

Hoses can be reinforced to work with higher pressures. Non-reinforced hoses can perform up to 2 bar (discharge side) while reinforced hoses can reach 7 bar. The reinforcing layer is made of polyamide and can have two to four layers depending on the size of the pump.

### HOSE DIMENSION

PUMP SIZE	Int. dia. mm	Ext. dia. mm	Length mm
N2	9	16	330
N3	13	22	390
N4	17	31	590
N5N	25	43	860
N6N	30	55	1150
N7N	45	75	1455

### Not reinforced hoses

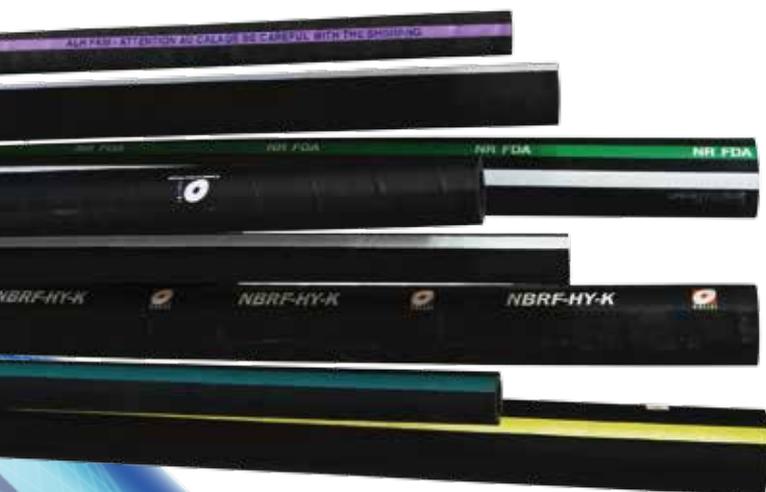


-  Tygon A60F (Varpren/Norprene A55F), FDA approved & NSF51 (cream white)
-  Neoprene (matt black)
-  Hypalon (glossy black)
-  Silicon (Red)

#### On Request

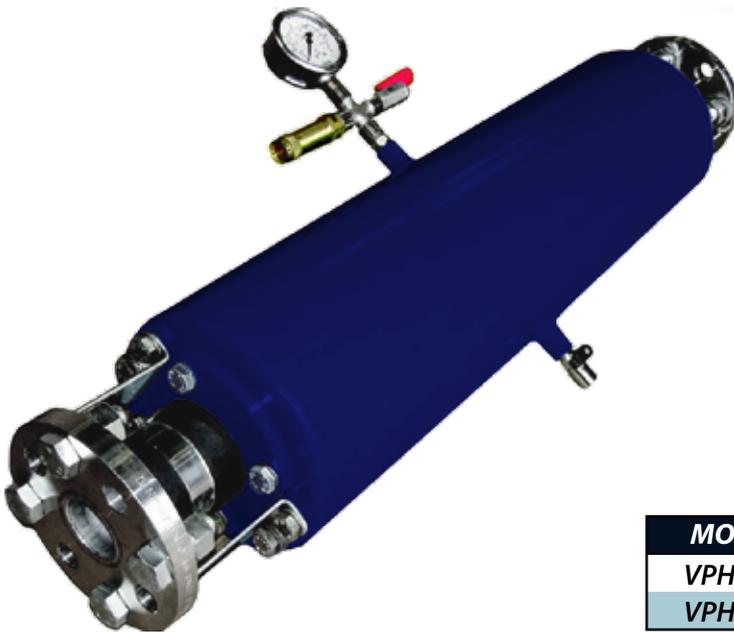
- Tygon XL 60 (transparent), FDA approved
- Pharmed proofed USP class IV, FDA & NSF (cream white)

### Reinforced hoses



-  NR (green stripe)
-  NRF-K long life (black hose with Valisi logo)
-  NBR (red stripe)
-  EPDM (white stripe)
-  NR Food grade (white & green stripe and white interior)
-  FKM - Viton®(purple stripe)
-  NBR Food Grade (black hose with white interior)
-  Hypalon (yellow stripe)

## PULSATION DAMPENERS



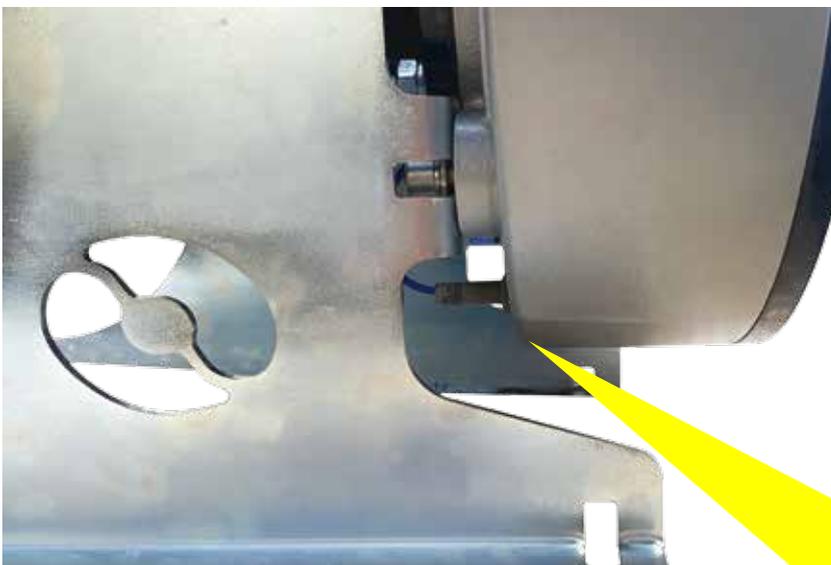
VPHP pulsation dampeners will reduce vibrations and hydraulic shocks, all while extending the lifetime of the hose in the pump.

The pulsation dampener encapsulates a hose which is compressed by air (or nitrogen, in hazardous area applications) and adapts its volume to compensate for the pulsation, thus creating a smooth, pulseless flow.

They are available in different sizes to cover all the range of Valisi hose pumps. They are mounted in-line on the discharge pipe and can cut up to 90% of the pulsation created by the pump.

MODEL	Standard connections	For pump
VPHP040	Multiple holes flange DIN or ANSI	N5N-N6N
VPHP050	Multiple holes flange DIN or ANSI	N7N

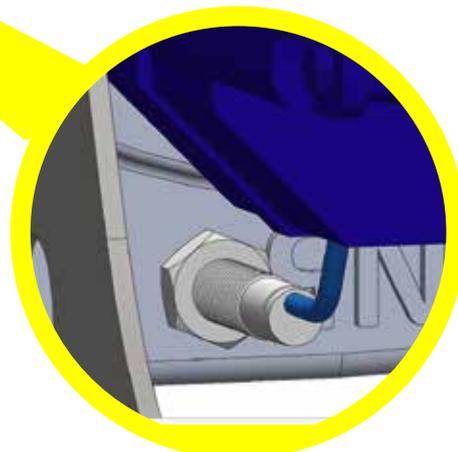
## LEAK DETECTORS



A NAMUR capacitive sensor can be installed to detect hose failures.

This sensor is compliant to EN 60947-5-6, it features a PEEK case with a PVC lid, and uses a two-wire technology with a two-meter PVC cable.

Its IP67 enclosure, is suitable for both safe and hazardous areas in gas zone 0 and dust zone 20.





Excellence In Fluid Handling



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