



**ALFAGOMMA**

## 400LE EVOLUTION MULTI FOOD S&D



## // HOSE

Alfagomma offers a single high-performance hose suitable for all types of liquid food applications. The 400LE EVOLUTION combines broad chemical compatibility, easy handling, maximum hygiene, and full compliance with international regulations, ensuring safe and reliable processing and transfer across the food and beverage industry.

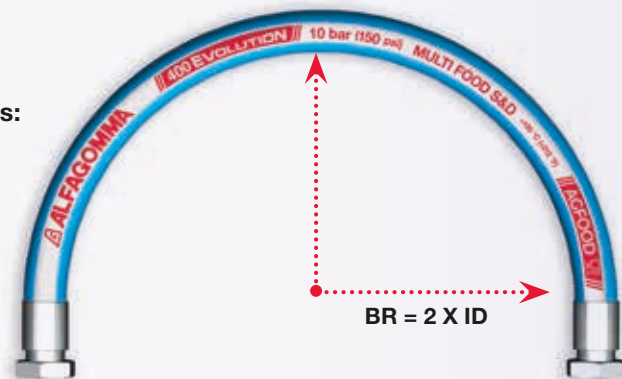
### ONE HOSE FOR ALL FOOD APPLICATIONS

- Liquid food transfer
- Dairy industry
- Milk collection and unloading
- Food processing and manufacturing
- Fatty and oily food handling
- Alcoholic beverages



### MAIN FEATURES

- ▲ **NBR extruded tube** ensuring maximum hygiene and minimal food contamination
- ▲ **Excellent flexibility and kink resistance**, ideal for reeling applications
- ▲ **High temperature resistant:**  
Liquid food up to **100 °C (212 °F)**  
Fatty food up to **120 °C (248 °F)**
- ▲ **Fully compliant with food contact regulations:**  
EC 1935/2004  
EC 2023/2006  
Italian Ministerial Decree 21/03/1973  
French Arrêté of 05 August 2020  
FDA CFR 21 §177.2600 (e) and (f)  
3-A Sanitary Standard 18-03 – Class II
- ▲ **Phthalate and Bisphenol free**
- ▲ **Resistant to the most common cleaning processes**



## // 400LE EVOLUTION



### Multi food S&D 10 bar (150 psi)

D.M. 21/03/1973 - ARRETE DU 05/08/2020 Cat. D  
FDA - 3A SANITARY STANDARD

**Tube:** white NBR.

**Reinforcement:** high tensile textile cords with embedded steel helix wire.

**Cover:** blue NBR/PVC - abrasion, ozone and oil resistant.

**Application:** liquid and fat food-alcoholic beverages suction and delivery - max 75%.

Special construction for maximum flexibility and kink resistance.  
Cleaning instructions - see Alfagomma guidelines.

**Temperature:** liquid food -30 °C +100 °C (-22 °F +212 °F)  
fat food +120 (248 °F)

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	BR (in)	Vacuum %	Weight (kg/m)	Weight (lb/ft)
25,0	1"	36,0	1,42	10	150	30	450	50	1,97	100,00	0,680	0,46
32,0	1 1/4"	43,0	1,69	10	150	30	450	64	2,52	100,00	0,900	0,61
38,0	1 1/2"	49,0	1,93	10	150	30	450	76	2,99	100,00	1,060	0,72
51,0	2"	63,0	2,48	10	150	30	450	102	4,02	100,00	1,470	0,99
63,0	2 1/2"	76,0	2,99	10	150	30	450	126	4,96	90,00	2,230	1,50
63,0	2 1/2"	78,0	3,07	10	150	30	450	126	4,96	90,00	2,450	1,65
76,0	3"	89,0	3,50	10	150	30	450	152	5,98	90,00	2,720	1,83
76,0	3"	91,0	3,58	10	150	30	450	152	5,98	90,00	2,940	1,98
102,0	4"	116,0	4,57	10	150	30	450	204	8,03	90,00	3,750	2,53
102,0	4"	119,0	4,69	10	150	30	450	204	8,03	90,00	4,040	2,72

**ALFAGOMMA** // 400 EVOLUTION // 10 bar (150 psi) MULTI FOOD S&D +100 °C (+212 °F) // AGFOOD // FDA 3-A DM ARRETE



## // APPROVED CLEANING METHODS

Media	Max concentration	Max temperature	Max exposure time
Hot Water	-	80 °C	30 min
Steam	-	130 °C	30 min
Sodium Hydroxide	2,0%	80 °C	15 min
	5,0%	40 °C	15 min
Potassium Hydroxide	2,0%	80 °C	15 min
	5,0%	40 °C	15 min
Nitric Acid	0,1%	23 °C	10min
Peracetic Acid	1,5%	23 °C	15 min

## // FITTINGS & HOSE ASSEMBLIES

ALFAGOMMA supplies a wide range of **specific hygienic couplings** and other industrial fittings with suitable ferrules, clamps and accessories to guarantee the best performance with Alfagomma hose.

AISI 316 stainless steel material for the full compatibility with the fluids transferred.

Broad assortment of **connection styles** to match customer requirements in the different applications and countries:

- ▲ **SMS 1145**
- ▲ **DIN 11851**
- ▲ **Triclamp ISO 1127 / DIN 32676**
- ▲ **Cam & Groove**
- ▲ **Symmetric Guillemin NF E 29.572**
- ▲ **Threaded couplings**
- ▲ **Safety clamp (EN 14 420-3)**
- ▲ **Ferrules**
- ▲ **Rubber protection rings**

Couplings are assembled on 400LE Evolution hose in **crimped or clamped** solutions for an **integrated tested system** to meet the specific technical requirements of food applications.

ALFAGOMMA assembly centers ensure the safety of hose assemblies and guarantee complete control over quality and reliability.



Fittings						
						
SMS 1145	DIN 11851	Triclamp	Symmetric Guillemin NF E 29.572	Cam & Groove EN 14 420-7	Threaded couplings EN 14 420-5	
Ferrule & Clamps		Accessories				
						
Serrated ferrule	EN 14 420-3 Safety clamps	Rubber protection ring				



**HEADQUARTER**  
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