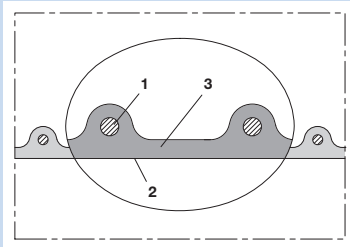
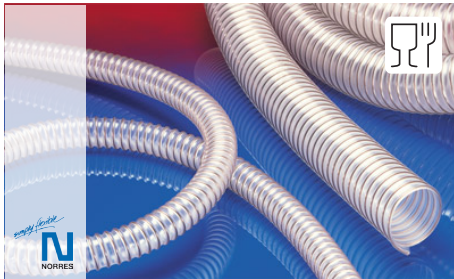


# AIRDUC® PUR 355 FOOD



Food hose and pharmaceutical hose, heavy

## Applications

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- food industry, pharmaceutical industry: food-stuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- vacuum conveying device, vacuum hopper, suction conveyor, dosing system
- pelleting machines/ tablet presses
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal
- industrial vacuum cleaners, vacuum cleaners
- agricultural industry: pneumatic grain conveyer
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- paper mill, paper and pulp industry: waste water, air extraction

- industrial washing machine: washing water hose

## Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-V2
- according to DIN 26057 Type 3

- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline

## Temperature Range

- 40°C to 90°C
- short time to 125°C

## Design, Material

AIRDUC® profile hose

- spring steel wire firmly embedded in wall
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 1,4 - 1,5 mm approx.

## Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

I.D. in / mm	O.D. mm	Pressure DIN 26057 (50% Elongation) bar	Vacuum DIN 26057 (axially fixed) bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Order No.
- / 13	20	4,500 (8,59)	1,000 (1,00)	14	0,140	5 10 15	355-0013-1001
5/8 / 16	23	4,410 (7,14)	1,000 (1,00)	15	0,160	5 10 15	355-0016-1001
- / 20	27	4,250 (6,88)	1,000 (1,00)	17	0,230	5 10 15	355-0020-1001
- / 22	29	3,900 (6,31)	0,950 (1,00)	18	0,250	5 10 15	355-0022-1001
1 / 25	32	3,470 (5,61)	0,900 (1,00)	20	0,280	5 10 15	355-0025-1001
- / 30	40	3,600 (5,82)	0,880 (1,00)	25	0,420	5 10 15	355-0030-1001
1,25 / 32	42	3,395 (5,49)	0,875 (1,00)	26	0,440	5 10 15	355-0032-1001
1,36 / 35	45	3,125 (5,05)	0,870 (1,00)	28	0,480	5 10 15	355-0035-1001
1,5 / 38	48	2,895 (4,68)	0,865 (1,00)	29	0,520	5 10 15 20	355-0038-1001
- / 40	50	2,760 (4,46)	0,855 (1,00)	30	0,540	5 10 15	355-0040-1001
1,75 / 44-45	55	2,470 (3,99)	0,845 (1,00)	33	0,600	5 10 15	355-0045-1001
2 / 50-51	60	2,235 (3,61)	0,835 (1,00)	35	0,660	5 10 15	355-0050-1001
- / 55	65	2,045 (3,30)	0,790 (1,00)	38	0,720	5 10 15	355-0055-1001
2,36 / 60	70	1,880 (3,03)	0,730 (1,00)	40	0,780	5 10 15	355-0060-1001
2,5 / 63-65	75	1,740 (2,81)	0,675 (1,00)	43	0,840	5 10 15	355-0065-1001
- / 70	81	1,620 (2,61)	0,605 (1,00)	62	0,980	5 10 15	355-0070-1001
3 / 75-76	86	1,515 (2,45)	0,555 (1,00)	66	1,050	5 10	355-0075-1001
- / 80	91	1,425 (2,30)	0,505 (1,00)	69	1,110	5 10	355-0080-1001
3,5 / 89-90	101	1,270 (2,05)	0,385 (0,89)	76	1,250	5 10 15	355-0090-1001
4 / 100-102	111	1,150 (1,85)	0,355 (0,95)	83	1,490	5 10 15	355-0100-1001
- / 110	121	1,045 (1,69)	0,325 (0,78)	90	1,630	5 10 15	355-0110-1001
4,5 / 114-115	126	1,000 (1,61)	0,300 (0,71)	94	1,680	5 10 15	355-0115-1001

I.D. in / mm	O.D. mm	Pressure DIN 26057 (50% Elongation) bar	Vacuum DIN 26057 (axially fixed) bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Order No.
4,72 / 120	131	0,960 (1,55)	0,280 (0,65)	97	1,770	5 10 15	355-0120-1001
5 / 125-127	136	0,925 (1,49)	0,265 (0,60)	101	1,840	5 10 15	355-0125-1001
- / 130	141	0,890 (1,43)	0,240 (0,56)	104	1,910	5 10 15	355-0130-1001
5,5 / 140	151	0,825 (1,33)	0,215 (0,48)	111	2,030	5 10 15	355-0140-1001
6 / 150-152	161	0,770 (1,24)	0,180 (0,56)	118	2,410	5 10 15	355-0150-1001
6,3 / 160	171	0,725 (1,17)	0,165 (0,49)	125	2,560	5 10 15	355-0160-1001
6,5 / 165	176	0,705 (1,13)	0,160 (0,46)	129	2,640	5 10 15	355-0165-1001
7 / 178-180	191	0,645 (1,04)	0,135 (0,39)	139	2,870	5 10 15	355-0180-1001
8 / 200-203	213	0,580 (0,94)	0,120 (0,35)	156	3,120	5 10	355-0200-1001
- / 250	263	0,465 (0,75)	0,075 (0,21)	191	3,880	5 10	355-0250-1001
- / 300	313	0,390 (0,63)	0,065 (0,19)	226	5,160	5 10	355-0300-1001

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional technical data at [www.norres.com/en/technology/](http://www.norres.com/en/technology/)

## Accessories



CLAMP 212



CLAMP 216



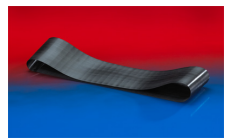
CLAMP 212 EC



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT SAFETY  
CLAMP ASSEMBLY 231



CONNECT PRESS  
ASSEMBLY 232



CONNECT MOULD  
ASSEMBLY 233



CONNECT THREAD  
FITTING 234



CONNECT TRI-CLAMP  
FITTING 245



CONNECT DAIRY FITTING  
247



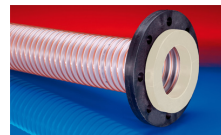
CONNECT ASEPTIC  
FITTING 249



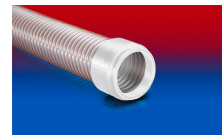
CONNECT 240 + 241  
FOOD



CONNECT 243 FOOD



CONNECT 244 FOOD



CONNECT 245 FOOD



CONNECT 246 FOOD



CONNECT 223



CONNECT 270-271