

P-FLEX H

Heavy duty PVC layflat hose



Heavy PVC layflat hose
of the new generation!

APPLICATIONS

- agriculture and industry
- commercial and civil engineering
- water supply and discharge hose
- heavy duty applications

FEATURES

- lightweight and highly flexible
- small coil diameter
- resistance to weathering and ozone
- low elongation
- excellent layer adhesion compared to conventional PVC layflat hose



GOLLMER & HUMMEL

— The Hosefactory —

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Bore size (mm) (inch)		Weight (gr/m) (lbs/ft)		Wall thickness (mm) (inch)		Working pressure* (Bar) (PSI)		Bursting pressure (Bar) (PSI)		Article code
38	1 1/2"	290	0.19	1.9	0.07	10	150	30	450	44015-038000
52	2 "	420	0.28	2.1	0.08	10	150	30	450	44015-052000
65	2 1/2"	540	0.36	2.2	0.09	10	150	30	450	44015-065000
76	3 "	660	0.44	2.2	0.09	9	130	27	390	44015-076000
102	4 "	1,000	0.67	2.5	0.10	9	130	27	390	44015-102000
152	6 "	1,700	1.14	2.9	0.11	7	100	21	300	44015-152000
203	8 "	2,200	1.48	2.9	0.11	5	75	15	225	44015-203000
254	10 "	2,900	1.95	3.0	0.12	4	60	12	180	44015-254000

Standard length : 100 m
Standard colour : brown
Service temperature: -10°C up to +60°C (14°F up to 140°F),
based on water

Tolerances can be found in the technical appendix

Change in technical specification without prior notice
10 Bar = 1 MPa

* technical data based on water at a temperature of 20°C (68°F). Depending on application and dimension of hose this product can be operated with a working pressure up to 50 % of the bursting pressure. Consult factory for approval!

It is important to note, that the technical data for pressure are only valid for hose and not for hose assembly with couplings!

CONSTRUCTION

Textile reinforcement:

- high tenacity polyester yarn, special construction for low elongation
- totally embedded in the PVC compound, excellent protected against mechanical damage

Lining and cover:

- special high grade formulated PVC compound extruded "through the weave" in a unique one step production process
- much better adhesion level compared to conventional PVC layflat hoses, no delamination
- inside: very smooth for minimum friction loss
- outside: thick and smooth for good flexibility and improved abrasion resistance

ASSEMBLY OF COUPLINGS:

- the hose tail of the coupling should be machined and free of sharp edges to avoid that the inner tube is cut
- if hose is binded with clamps a piece of hose should be placed between hose and coupling tail as a protection
- the bandwidth of the clamp should be dimensioned in a way, that the hose is not squeezed between the ribs of the hosetail



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