



GOLLMER & HUMMEL
hoses for heroes

LIQUID MANURE HOSES

HOME AND HOSED.



LAYFLAT HOSES, ELEVATED UNDERSTANDING.

YOUR PARTNER FOR CUSTOMISED HOSE SOLUTIONS.



To ensure your chances of success aren't left hanging by a thread but by a tear-proof hose, we at GOLLMER & HUMMEL are the fifth generation to create pioneering hose solutions. Professional solutions for the firefighting, agricultural and industrial sector that guarantee safety and quality. For almost 150 years, we have been pursuing our passion and thirst for innovation by exploring new horizons – which is also why customers from all over the world rely on our products. Our customers benefit from the flexibility and manufacturing expertise of a deeply rooted global player, as well as the customary advantages associated with a dedicated medium-sized enterprise. For our customers and tailor-made solutions are at the heart of everything we do! Our optimally equipped warehouse also enables us to respond rapidly to last-minute or urgent requests. We invest the time to ensure you reap the rewards.

YEARS OF UNDERSTANDING WHAT MATTERS.

Our GH HILCOFLEX product range is synonymous with world-renowned quality in liquid manure distribution. Over the years, we have amassed a wealth of experience with our customers – experience from which you can now reap the benefits. High-quality materials such as highly abrasion-resistant polyurethane or nitrile rubber, coupled with specially developed and refined formulae based on years of experience, ensure nothing easily brings these hoses to their knees. We set standards in all areas of requirement: high pressure load, tensile strength, small bending radii and minimum pressure loss, excellent abrasion-resistance properties and lasting resistance under extreme climatic conditions and on difficult ground surfaces. So no matter where you plan to use our products, GOLLMER & HUMMEL hoses are always prepared.



GROW

HOSES FOR HEROES



**THE MORE NUTRIENT-RICH THE SOIL,
THE MORE PRODUCTIVE THE FIELD.**

UK-based Digestate Solutions has taken this analogy to heart. For liquid manure distribution through hose systems has the clear advantage of allowing you to start earlier in the year and work for longer periods of time than with conventional systems. Unlike self-propelled transporters or drawn spreader containers, the low operating weight of the tractor-trailer ensures reduced soil compaction and thus more gentle application. This in turn enables optimum fertilisation precisely when needed rather than when weather conditions permit. For GOLLMER & HUMMEL hoses are fully prepared – for any field in the world.



GH HILCOFLEX PU

HP

**THE HIGH-END MULTI-PURPOSE WEAPON.
THE GH HILCOFLEX PU ALWAYS DELIVERS
WHEN IT MATTERS.**

The GH HILCOFLEX PU is as diverse as your areas of application. Made from extremely abrasion-resistant thermoplastic polyurethane (TPU), this is a hose that is able to tackle anything that flows through it. But the polyurethane has even more to offer: the applied extrusion process, whereby the TPU is inextricably linked to its woven core, gives the

GH HILCOFLEX PU unparalleled puncture resistance. A real one-piece professional able to handle sharp stones and rough terrain without getting damaged. An indestructible transport hose between lagoon and field, and much lighter than comparable nitrile hoses. Hence, a heavy-duty all-rounder that handles perfectly.

Bore size in mm/inches	Weight per metre in g	Wall thickness in mm	Working pressure in bar	Max. working pressure in bar	Burst pressure in bar	Breaking strength in kg
52 / 2"	430	2.4	16	20	50	5,000
65 / 2½"	630	2.6	16	20	50	6,300
76 / 3"	700	2.8	16	20	50	8,800
90 / 3½"	950	2.9	14	17	42	10,900
102 / 4"	1,150	3.3	14	17	42	13,800
114 / 4½"	1,300	3.3	14	17	42	13,800
127 / 5"	1,500	3.4	14	17	42	17,000
152 / 6"	1,900	3.7	14	17	42	17,900
180 / 7"	2,500	4.3	14	17	42	31,000
205 / 8"	3,300	4.7	14	17	42	38,000



HPD

**SIMPLY UNBEATABLE.
THE GH HILCOFLEX PU DRAG AND PU DRAG EXTRA
DEFY ALL ODDS.**

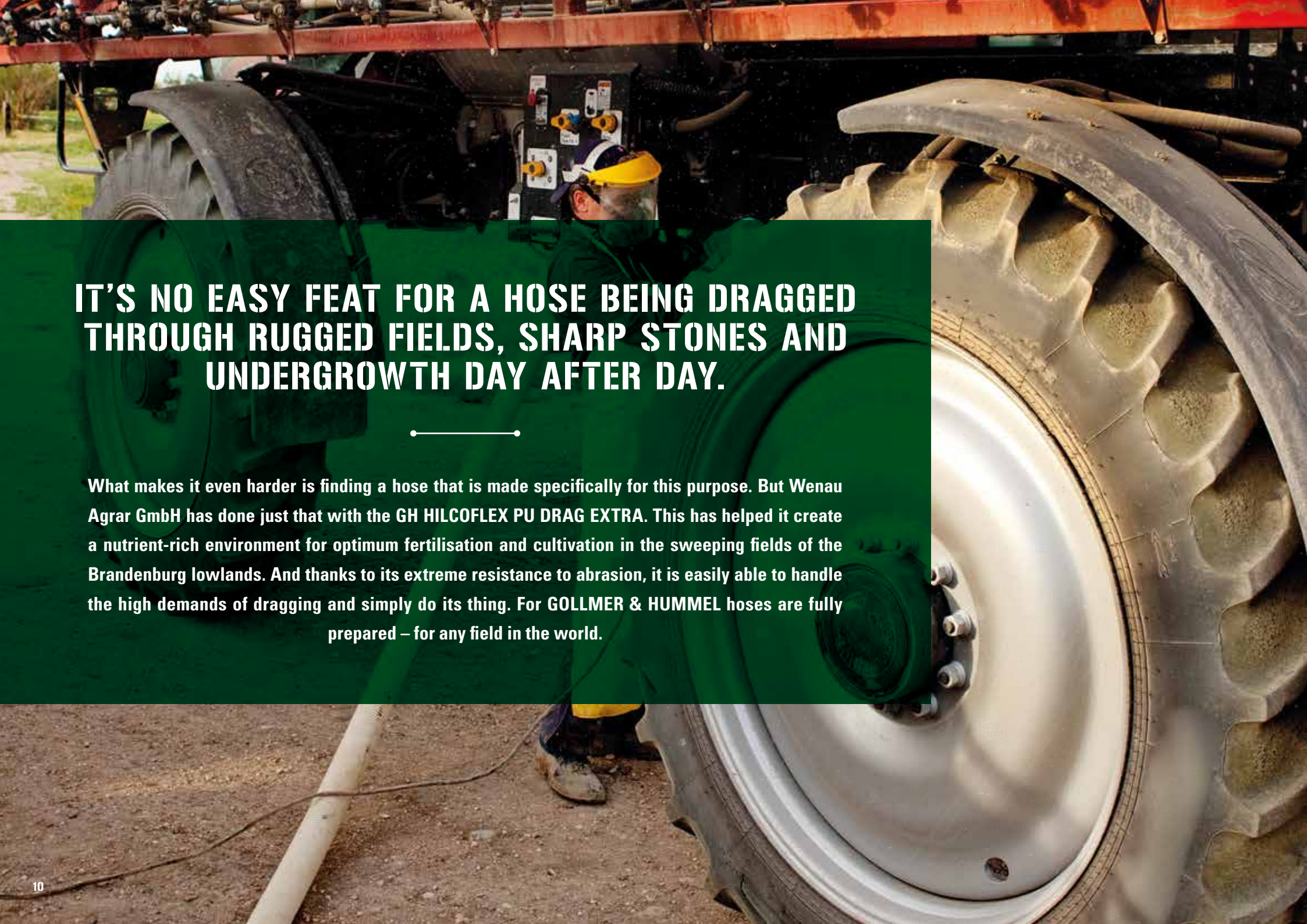
When real drag hoses such as the GH HILCOFLEX PU DRAG and GH HILCOFLEX PU DRAG EXTRA are deployed, it is their outstanding resistance to abrasion and extremely thick thermoplastic polyurethane wall that ensure they always deliver. However, it takes a lot more than just being resistant to abrasion to withstand constantly being dragged behind a tractor to spread liquid manure.

Gollmer & Hummel's normalisation process enables the hoses to retain their bore size even under pressure, without inadvertently expanding – which would make rebinding the hoses virtually impossible. Together with their unbeatable tensile strength, this creates hoses that can be dragged in no time at all.



RESILIENT.

Bore size in mm/inches	Weight per metre in g	Wall thickness in mm	Working pressure in bar	Max. working pressure in bar	Burst pressure in bar	Breaking strength in kg
GH HILCOFLEX PU DRAG						
76 / 3"	950	3.5	16	20	50	8,800
90 / 3½"	1,100	3.5	15	18	45	10,900
102 / 4"	1,350	3.8	14	17	42	13,800
114 / 4½"	1,450	3.8	14	17	42	13,800
127 / 5"	1,850	3.8	14	17	42	20,500
140 / 5½"	1,950	3.9	14	17	42	22,500
152 / 6"	2,100	4	14	17	42	27,200
180 / 7"	2,800	4.5	10	12	30	35,000
GH HILCOFLEX PU DRAG EXTRA						
102 / 4"	1,650	4.5	14	17	42	13,800
114 / 4½"	1,900	4.5	14	17	42	13,800
127 / 5"	2,300	4.5	14	17	42	20,500



IT'S NO EASY FEAT FOR A HOSE BEING DRAGGED THROUGH RUGGED FIELDS, SHARP STONES AND UNDERGROWTH DAY AFTER DAY.

What makes it even harder is finding a hose that is made specifically for this purpose. But Wenau Agrar GmbH has done just that with the GH HILCOFLEX PU DRAG EXTRA. This has helped it create a nutrient-rich environment for optimum fertilisation and cultivation in the sweeping fields of the Brandenburg lowlands. And thanks to its extreme resistance to abrasion, it is easily able to handle the high demands of dragging and simply do its thing. For GOLLMER & HUMMEL hoses are fully prepared – for any field in the world.

HOSES FOR HEROES





RESISTANT.



HA

WHATEVER FLOWS THROUGH THEM,
THE GH HILCOFLEX AGRO AND
GH HILCOFLEX AGRO EXTRA GLATT
ARE TOUGH ENOUGH TO HANDLE IT.

Special circumstances call for special tools. For when it comes to taking fertilisers, agricultural chemicals and microorganisms from lagoon to field, you need hoses you can rely on. And we have just the right professionals for the job. The GH HILCOFLEX AGRO models are characterised by their maximum resilience to any kind of internal and external resistance. The perfect rubber compound and a cover reinforced with longitudinal ribs ensure outstanding resistance to abrasion and simply make all the difference. As the name suggests, the GH HILCOFLEX AGRO EXTRA GLATT also has an extra unbeatable quality. Thanks to its smooth cover, it is ideal for performing heroic deeds on green areas and damp surfaces.

Bore size in mm/inches	Weight per metre in g	Wall thickness in mm	Working pressure in bar	Max. working pressure in bar	Burst pressure in bar	Breaking strength in kg
GH HILCOFLEX AGRO						
52 / 2"	600	3.3	16	20	50	3,900
65 / 2½"	750	3.3	16	20	50	6,300
76 / 3"	900	3.3	16	20	50	8,800
90 / 3½"	1,200	3.4	16	20	50	10,900
102 / 4"	1,350	3.5	16	20	50	12,400
114 / 4½"	1,450	3.7	15	18	45	12,400
127 / 5"	1,700	3.9	15	18	45	17,000
154 / 6"	1,950	3.9	14	17	42	17,900
180 / 7"	2,900	4.5	14	17	42	24,000
205 / 8"	3,500	4.5	10	12	30	26,900
254 / 10"	4,200	5.2	10	12	30	43,200
GH HILCOFLEX AGRO EXTRA GLATT						
65 / 2½"	900	3.8	16	20	50	6,300
76 / 3"	1,100	3.8	16	20	50	8,800
90 / 3½"	1,200	3.8	16	20	50	10,900
102 / 4"	1,400	3.8	16	20	50	12,400

H

**AN ALL-PURPOSE HOSE.
THE GH HILCOFLEX. SO VERSATILE THAT IT HAS BEEN
ADAPTING TO SITUATIONS FOR YEARS.**



A highly versatile hose that can be used for the widest range of applications – while not for dragging, virtually everywhere else – making it the ideal starter model. A lightweight and flexible transport hose that is always ready for action

and fully prepared. Special additives in its compound make it virtually impervious to both weather and time. The perfect entry-level model you can rely on.

Bore size in mm/inches	Weight per metre in g	Wall thickness in mm	Working pressure in bar	Max. working pressure in bar	Burst pressure in bar	Breaking strength in kg
52 / 2"	400	2.5	16	20	50	3,900
65 / 2½"	540	2.5	16	20	50	4,300
70 / 2¾"	600	2.8	16	20	50	6,300
76 / 3"	650	2.9	16	20	50	6,500
80 / 3.2"	800	3.2	16	20	50	7,500
90 / 3½"	900	3.3	16	20	50	8,500
102 / 4"	1,000	3.3	16	20	50	9,500
110 / 4.33"	1,200	3.3	15	18	45	10,500
120 / 4.66"	1,400	3.5	14	17	42	11,000
127 / 5"	1,400	3.5	14	17	42	17,000
152 / 6"	1,800	3.7	14	17	42	17,900
203 / 8"	2,600	3.9	10	12	30	26,900



1 ONE TECHNIQUE,
MULTIPLE BENEFITS.

As an effective, economical alternative to the conventional liquid manure chain, it is hardly surprising that liquid manure distribution is gaining ground. For unlike feeder truck tanks, our hoses are real lightweights that have the advantage of compacting the soil as little as possible. What's more, the lighter load makes the fields passable earlier and for longer than self-propelled transporters or spreader containers. The liquid manure can thus be spread over your soil whenever needed. Whether you're looking for a drag hose or a transport hose, what's important is knowing exactly what you're up against. But that's why we have real experts to configure the perfect hose material for your application.



2 THE STUFF
HEROES ARE MADE OF.

It all starts with the right choice of material. Countless tests and material trials have led to the use of two high-quality materials: polyurethane and nitrile rubber. These undergo an extrusion process, which means that they are extruded through our woven core made of de-spun yarn and thus inextricably linked. This gives our hoses unrivalled adhesion. But there's so much more to the perfect hose. One further step. Under pressure, we apply steam to our polyurethane hoses in a so-called normalisation process. This ensures when under pressure in use, your hoses will retain their shape and not slacken – no matter what. In short: we make hoses for heroes.



HOSES FOR HEROES



GH

**HOSES FOR ALL AREAS OF APPLICATION.
VARIETY AND QUALITY
FOR ALL KINDS OF HEROIC DEEDS.**



**FIRE
HOSES**



**INDUSTRIAL
HOSES**



**LIQUID MANURE
HOSES**



**IRRIGATION
HOSES**



**SNOW-MAKING
HOSES**

GH TITAN X-TREME | GH TITAN COMBAT | GH TITAN 2F | GH TITAN 3F | GH TITAN REEL | GH HERKULES 2F | GH HERKULES 3F | GH PROGRESS | GH PROGRESS ATTACK | GH PROGRESS PLUS | GH PROGRESS SPEZIAL | GH PROGRESS SUPPLY | GH PROGRESS X-TREME | GH TEXFLEX FIRE | GH TEXFLEX FIRE HD | GH HILCOFLEX | GH HILCOFLEX AQUA | GH ÖL GARANT | GH ARTUS | GH DOUBLE JACKET | GH HILCOFLEX | GH HILCOFLEX SPEZIAL | GH HILCOFLEX PU | GH HILCOFLEX PU KULI | GH HILCOFLEX OIL | GH HILCOFLEX AQUA | GH TEXFLEX INDUSTRIAL | GH P-FLEX M | GH P-FLEX L | GH TITAN 2F | GH HERKULES 2F | GH SILO | GH PROTECTOFLEX | GH PROTECTOFLEX EPDM | GH HILCOFLEX | GH HILCOFLEX PU | GH HILCOFLEX PU DRAG | GH HILCOFLEX AGRO | GH P-FLEX M | GH P-FLEX L | GH HILCOFLEX | GH HILCOFLEX AGRO | GH HILCOFLEX PU | GH HILCOFLEX PU DRAG | GH P-FLEX M | GH P-FLEX L | GH TITAN 2F | GH HERKULES 2F | GH SNOWBLAST | GH SNOWSTORM | GH BLIZZARD

HOSES FOR HEROES



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