Metallurgical cooling water hoses

GEYSER 20 ED FV

Non-conductive metallurgical delivery hose

Internal layer light blue insulating EPDM rubber
Reinforcement: synthetic cord
Outer layer EPDM rubber / glass fibre
Operating temp: -35°C to +120°C (external up to +550°C)

Delivery hose specially designed for transporting cooling water, used for steel furnaces, cooling systems for transformers and electrical converters. Used in the steel industry. Fibreglass-coated outer layer resistant to radiant heat up to +550°C (temporarily) and splashes of hot materials. Insulating (dielectric) inner layer, R>10$^{(11)}$ Ω, withstands electrical breakdown E≥6000 V/mm, with increased resistance to water and vapour penetration at extreme operating parameters.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius* [mm]	mass [kg/m]	Roll length [m]
MT-GEYSER20-EDFV-006	6	16	5	20	60	30	~	40
MT-GEYSER20-EDFV-008	8	18	5	20	60	40	~	40
MT-GEYSER20-EDFV-010	10	20	5	20	60	50	~	40
MT-GEYSER20-EDFV-013	13	24	5,5	20	60	65	0,44	40
MT-GEYSER20-EDFV-016	16	28	6	20	60	80	~	40
MT-GEYSER20-EDFV-019	19	31	6	20	60	95	0,60	40
MT-GEYSER20-EDFV-025	25	39	7	20	60	125	0,82	40
MT-GEYSER20-EDFV-032	32	48	8	20	60	160	1,22	40
MT-GEYSER20-EDFV-038	38	54	8	20	60	190	1,48	40
MT-GEYSER20-EDFV-045	45	63	9	20	60	225	~	40
MT-GEYSER20-EDFV-050	50	68	9	20	60	250	1,82	40
MT-GEYSER20-EDFV-060	60	80	10	20	60	300	2,50	40
MT-GEYSER20-EDFV-063	63,5	80	8,25	20	60	318	~	40
MT-GEYSER20-EDFV-075	75	95	10	20	60	380	3,20	40
MT-GEYSER20-EDFV-080	80	100	10	20	60	400	3,39	40
MT-GEYSER20-EDFV-100	100	124	12	20	60	500	5,32	40

* Minimum bend radius given for pressures above 3 bar. Note: indices highlighted in colour - the most commonly used

ESSEN LL ®

Metallurgical suction and discharge coolant hose Inner layer Black SBR rubber
Reinforcement: synthetic cord, steel spiral **Outer layer:** EPDM rubber / glass fibre
Operating temp: -40°C to +70°C (external up to +530°C)

Vacuum-resistant suction and discharge hose for cooling water in steelworks, foundries and in all applications where the rubber hose works close to a heat source. Glass fibre coating resistant to temperatures up to +530°C caused by heat radiation. Used in cooling systems. Particularly suitable for water systems at blast furnaces. Resistant to temporary exposure to splashes of glowing hot metal.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IV-ESSEN-LL-012	12	22,5	5,25	10	30	0,9	84	0,45	60 / 120
IV-ESSEN-LL-019	19	30,5	5,75	10	30	0,9	95	0,73	60 / 120
IV-ESSEN-LL-025	25	36,5	5,75	10	30	0,9	125	0,89	60 / 120
IV-ESSEN-LL-032	32	43	5,5	10	30	0,9	160	1,05	60 / 120
IV-ESSEN-LL-038	38	50,5	6,25	10	30	0,9	190	1,45	60 / 120
IV-ESSEN-LL-051	51	63,5	6,25	10	30	0,9	255	1,91	60 / 120
IV-ESSEN-LL-065	65	78,5	6,75	10	30	0,9	325	2,70	60 / 120
IV-ESSEN-LL-076	76	91,5	7,75	10	30	0,9	304	3,51	60 / 120
IV-ESSEN-LL-102	102	119,5	8,75	10	30	0,9	408	5,27	60 / 120

Note: indexes highlighted in colour - most commonly used