

**Trench drain body with integral cast iron rails - 39.40" (1000mm) length**

**Channel body FILCOTEN® pro – G 150 (6") – extra heavy duty series**

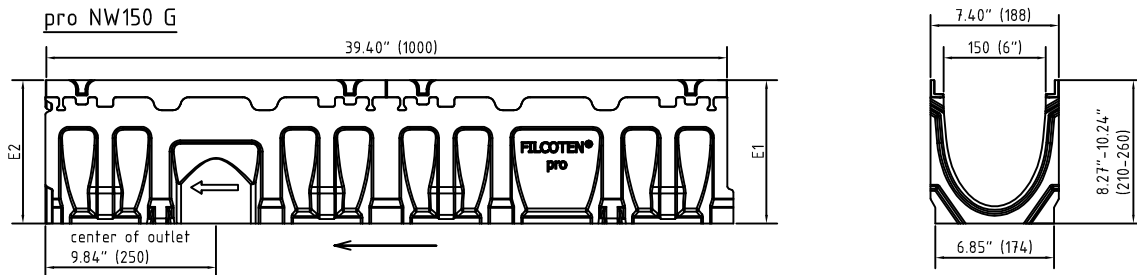
	Body part number			Overall body depth		Maximum flow rate			Weight (less grate)	
	cast iron rails 1)	Channel type	Slope	E1 (Min.)	E2 (Max.)	GPM *)	LPS *)	CFS *)	Lbs	Kg
○	10615100	150/0	0 %	8.27" (210 mm)	8.27" (210 mm)	172.8	10.9	0.38	69.67	31.6
○	10615161	150/5-0	0 %	9.25" (235 mm)	9.25" (235 mm)	217.2	13.7	0.48	77.60	35.2
○	10615162	150/10-0	0 %	10.24" (260 mm)	10.24" (260 mm)	266.3	16.8	0.59	85.54	38.8
○	10615164	150/20-0	0 %	12.20" (310 mm)	12.20" (310 mm)	372.5	23.5	0.83	105.38	47.8
○	10615101	150/1	0.5 %	8.27" (210 mm)	8.46" (215 mm)				69.45	31.5
○	10615102	150/2	0.5 %	8.46" (215 mm)	8.66" (220 mm)				71.21	32.3
○	10615103	150/3	0.5 %	8.66" (220 mm)	8.86" (225 mm)				72.97	33.1
○	10615104	150/4	0.5 %	8.86" (225 mm)	9.06" (230 mm)				74.74	33.9
○	10615105	150/5	0.5 %	9.06" (230 mm)	9.25" (235 mm)				76.50	34.7
○	10615106	150/6	0.5 %	9.25" (235 mm)	9.45" (240 mm)				78.48	35.6
○	10615107	150/7	0.5 %	9.45" (240 mm)	9.65" (245 mm)				80.25	36.4
○	10615108	150/8	0.5 %	9.65" (245 mm)	9.84" (250 mm)				82.01	37.2
○	10615109	150/9	0.5 %	9.84" (250 mm)	10.04" (255 mm)				83.78	38.0
○	10615110	150/10	0.5 %	10.04" (255 mm)	10.24" (260 mm)				85.54	38.8

1) With cast-iron rail, tested up to cl. F 900 acc. to EN 1433. Installation according to the manufactures installation instructions.

\*) GPM = Gallons per minute, LPS = Liters per second, CFS = Cubic feet per second

**Specification:** FILCOTEN pro-G NW150, 7.40" (188mm) wide, 39.40"(1000mm) long, pre-sloped (0.5%) or neutral FILCOTEN trench drain system. Body is manufactured from a fibre-reinforced concrete based material. Bodies have interlocking ends, a radiused extract for efficient liquid drainage and a multiple anchoring ribs to securely hold the body into the concrete foundation. Each body is manufactured with an integral 0.20" (5mm) thick, extra heavy duty, cast iron rails. End and bottom outlets are available in 6"(150mm) no hub outlet connections. Grate options include extra heavy duty ductile iron (Load Class E), slotted heavy/medium duty ductile iron (Load Class F). Grates are secured to the body with a four point bolting system. End caps and catch basins are also available.

**Function:** Used in commercial areas such as factories, warehouses, parking garages, car dealerships, gas stations, public and residential areas, parks, sports complexes, town squares, railway stations and cycle and foot paths. Ideal for environmentally sensitive areas because the body channels are free of resins, heavy metals, VOC and chemicals. Exceptional adhesion to surrounding concrete foundation due to the concrete composition of the body channels - resulting in a monolithic all concrete installation. Less breakage during transport and installation due to impact resistant, fibre-reinforced, UV resistant concrete material. Extra heavy duty integral cast iron rail allows for extra heavy duty, commercial solid tire traffic patterns, hard wheel traffic applications.



**MATERIALS:** Channels shall be manufactured from Filcoten fiber composite with concrete edge cast galvanized rail. Minimum properties of Filcoten fiber composite will be as follows:

Compressive strength: 11700 PSI  
 Flexural strength: 1700 PSI  
 Free of release agents: YES  
 Water absorption sufficient for adhesion with concrete surfaces: YES

Non flammable: YES  
 U/V resistant: YES  
 Recyclable 100%: YES  
 Dilute acid and alkali resistant: YES  
 Frost thaw salt tested as per EN1433 with a test temperature up to -40°C (-40°F): YES  
 Material free of VOC, biocides, heavy metals: YES