

**Trench drain body with integral galvanized steel rails - 39.40" (1000mm) length**

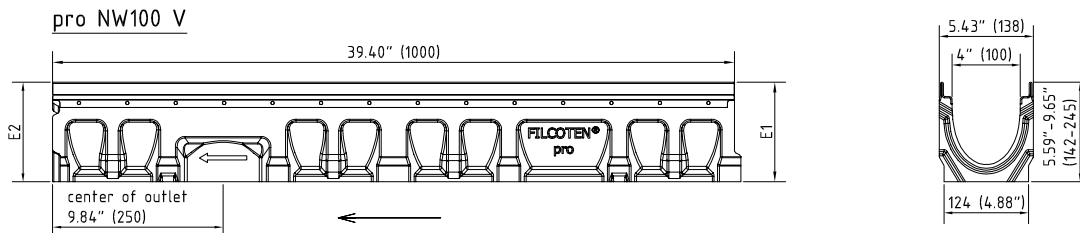
Channel body FILCOTEN® pro – V 100 (4") – heavy duty series

	Body part number			Overall body depth		Maximum flow rate			Weight (less grate)	
	galv. rails	Channel type	Slope	E1 (Min.)	E2 (Max.)	GPM *)	LPS *)	CFS *)	Lbs	Kg
○	I0610200	100/0	0 %	5.59" (142 mm)	5.59" (142 mm)	47.6	3.0	0.11	40.34	18.3
○	I0610255	100/0-DSB	0 %	5.71" (145 mm)	5.71" (145 mm)	47.6	3.0	0.11	40.34	18.3
○	I0610261	100/5-0	0 %	6.69" (170 mm)	6.69" (170 mm)	69.7	4.4	0.16	47.62	21.6
○	I0610262	100/10-0	0 %	7.68" (195 mm)	7.68" (195 mm)	95.1	6.0	0.21	54.90	24.9
○	I0610264	100/20-0	0 %	9.65" (245 mm)	9.65" (245 mm)	152.2	9.6	0.34	65.92	29.9
○	I0610201	100/1	0.5 %	5.71" (145 mm)	5.91" (150 mm)				41.01	18.6
○	I0610202	100/2	0.5 %	5.91" (150 mm)	6.10" (155 mm)				42.55	19.3
○	I0610203	100/3	0.5 %	6.10" (155 mm)	6.30" (160 mm)				44.09	20.0
○	I0610204	100/4	0.5 %	6.30" (160 mm)	6.50" (165 mm)				45.42	20.6
○	I0610205	100/5	0.5 %	6.50" (165 mm)	6.69" (170 mm)				46.96	21.3
○	I0610206	100/6	0.5 %	6.69" (170 mm)	6.89" (175 mm)				48.28	21.9
○	I0610207	100/7	0.5 %	6.89" (175 mm)	7.09" (180 mm)				49.82	22.6
○	I0610208	100/8	0.5 %	7.09" (180 mm)	7.28" (185 mm)				51.37	23.3
○	I0610209	100/9	0.5 %	7.28" (185 mm)	7.48" (190 mm)				52.69	23.9
○	I0610210	100/10	0.5 %	7.48" (190 mm)	7.68" (195 mm)				54.23	24.6

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

**SPECIFICATION:** FILCOTEN pro-V NW100, 5.43" (138mm) 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 0.16" (4mm) thick, extra heavy duty, galvanized steel rail. End and bottom outlets are available in 4" (100mm) no hub outlet connections. Grate options include extra heavy duty ductile iron (Load Class E), slotted and perforated heavy duty galvanized steel (Load Class C), and plastic composite grating (Load Class C), Grates are secured to the body with a four point self-locking 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 galvanized steel rail allows for heavy duty, 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