

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

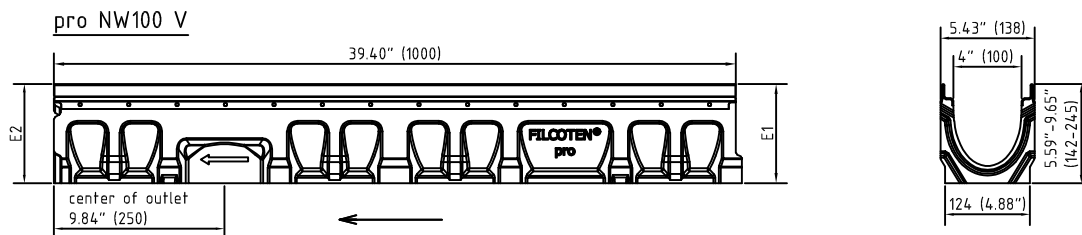
Channel body FILCOTEN® pro – V 100 (4") – heavy duty series

	Body part number		Slope	Overall body depth		Maximum flow rate			Weight (less grate)	
	galvanized rails	Channel type		E1 (Min.)	E2 (Max.)	GPM *)	LPS *)	CFS *)	Lbs	Kg
○	10610200	100/0	0 %	5.59" (142 mm)	5.59" (142 mm)	47.6	3.0	0.11	40.34	18.3
○	10610201	100/1	0.5 %	5.71" (145 mm)	5.91" (150 mm)				41.01	18.6
○	10610202	100/2	0.5 %	5.91" (150 mm)	6.10" (155 mm)				42.55	19.3
○	10610203	100/3	0.5 %	6.10" (155 mm)	6.30" (160 mm)				44.09	20.0
○	10610204	100/4	0.5 %	6.30" (160 mm)	6.50" (165 mm)				45.42	20.6
○	10610205	100/5	0.5 %	6.50" (165 mm)	6.69" (170 mm)				46.96	21.3
○	10610261	100/5-0	0 %	6.69" (170 mm)	6.69" (170 mm)	69.7	4.4	0.16	47.62	21.6
○	10610206	100/6	0.5 %	6.69" (170 mm)	6.89" (175 mm)				48.28	21.9
○	10610207	100/7	0.5 %	6.89" (175 mm)	7.09" (180 mm)				49.82	22.6
○	10610208	100/8	0.5 %	7.09" (180 mm)	7.28" (185 mm)				51.37	23.3
○	10610209	100/9	0.5 %	7.28" (185 mm)	7.48" (190 mm)				52.69	23.9
○	10610210	100/10	0.5 %	7.48" (190 mm)	7.68" (195 mm)				54.23	24.6
○	10610262	100/10-0	0 %	7.68" (195 mm)	7.68" (195 mm)	95.1	6.0	0.21	54.90	24.9
○	10610264	100/20-0	0 %	9.65" (245 mm)	9.65" (245 mm)	152.2	9.6	0.34	65.92	29.9

*) 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® HPC (High Performance Concrete). Minimum properties of FILCOTEN® HPC will be as follows:

Compressive strength according to ASTM C39: 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
 Resistant to rapid freezing & thawing according to ASTM C666: YES
 Resistant to chloride ion penetration according to ASTM C1202: YES
 Material free of VOC, biocides, heavy metals: YES