

B

SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



MEMBER OF:

LOCATION

DRAWING NUMBER
S9877-621D-CBS

SIZE
A

SCALE:
NONE

DATE:
7-9-15

APPROVED BY:
MD

CHECKED BY:
MD

DRAWN BY:
TBW

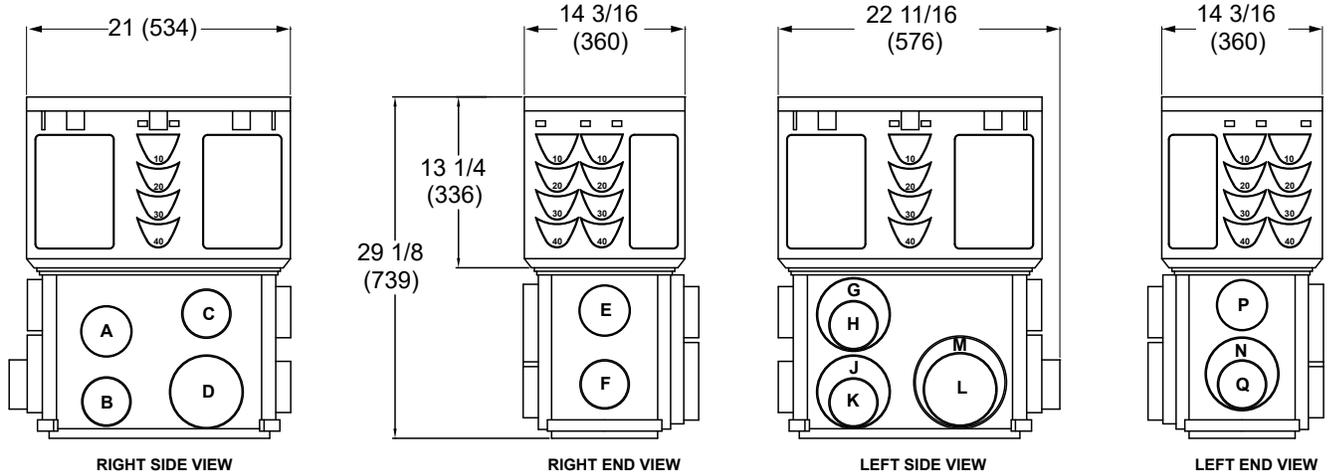
9877-621D-CBS

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

14" WIDE POWERDRAIN® CATCH BASIN W/INTEGRAL DUCTILE IRON RAIL



Note: See Back For Outlet Sizes And Flow Capacities

REGULARLY FURNISHED:

1/2 meter (1.64') Precast Polymer Concrete Catch Basin with an Integral Ductile Iron Edge Rail. Total Capacity of 25 Gallons. Supplied with Secured Ductile Iron Slotted Grate and Plastic Sediment Bucket.

VARIATIONS:

- Grate Specifications (See Back)
- 9877-FAT Foul Air Trap (4" only)
- 9877-GRT Grate Removal Tool
- 9879-UNV Universal 6"/8"/10" Closing/Inlet/Outlet End Cap

Note: This Trench Drain System is Designed for "On Grade Applications Only" as There are No Provisions for a Flashing Flange or Flashing Clamp

Note: This Catch Basin Comes Standard with Polymer Concrete Top, Powerlok Ductile Iron Grate, Plastic Bucket, and Plastic Base.



	B A	1-16-2 9-1-23	Revised Variations Removed Function	TB HS	KV CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
REV.	DATE	DESCRIPTION		BY	CKD. BY			9877-621D-CBS

A



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DRAWING NUMBER
S9877-621D-CBS-BSSIZE
ASCALE:
NONEDATE:
7-9-15APPROVED BY:
MDCHECKED BY:
MDDRAWN BY:
TBW

9877-621D-CBS-BS

FIGURE NUMBER

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DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

14" WIDE POWERDRAIN® CATCH BASIN W/INTEGRAL DUCTILE IRON RAIL

**Extra Heavy Duty, EN 1433 Load Class
E: 135,00 lbs - 2323 psi. For commercial solid
tire forklift traffic patterns, forklifts and impacts
from steel struts or metal wheels.**

* **9879-ADAG
Powerlok ADA - 1 3/8 x 7/16 longitudinal ductile iron
slotted grate (56.00 sq in.)**

**Extra Heavy Duty, EN 1433 Load Class
F: 202,320 lbs - 4182 psi. For aircraft runways,
docks, heavy fork trucks, and heavy wheel loads.**

* **9879-SLG
Powerlok Slotted - 3 13/16 x 7/16 ductile iron
slotted grate (126.00 sq. in.)**

*Available With Powerlok Locking Devices Only

Outlet Flow Rates

Outlet	Outlet Size	Invert Inches	Invert mm	GPM	CFS
A	4" round	21.29	541	239	0.53
B	4" round	27.79	706	276	0.62
C	4" round	19.72	501	229	0.51
D	6" round	27.79	706	610	1.36
E	4" round	19.84	504	230	0.51
F	4" round	26.34	669	269	0.60
G	6" round	20.62	524	514	1.15
H	4" round	20.06	510	231	0.52
J	6" round	27.76	705	609	1.36
K	4" round	27.18	690	273	0.61
L	6" round	27.18	690	602	1.34
M	8" round	27.75	705	1061	2.36
N	6" round	26.28	668	591	1.32
P	4" round	19.15	486	225	0.50
Q	4" round	25.88	657	266	0.59

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

SMITH® ACO
Trench Drain Series

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
A	1-16-2	Revised Selections	TB	KV			9877-621D-CBS-BS



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov