

FUELLING SOLUTIONS

BY LIQUIP

SPARE PARTS CATALOGUE

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**BOTTOM LOAD
ACCESSORIES**

NORMEC INTERNAL FOOTVALVE

4" foot valve with pneumatic control, pressure balanced design. The foot valve is made so that the shutter position can be checked by the position of a control stem. The shutter can be manually opened by means of a special key, in any case of failure of the air supply (80.40.60).

Technical Specifications

Flow Rate:	Up to 2500 l/min
Working Pressure:	1000kPa
Min Operating Air Pressure:	400kPa
Max Operating Air Pressure:	900kPa
Air Fittings:	1/8" BSP
Materials:	Aluminium body and valve piston mechanism Stainless steel shaft Viton seals

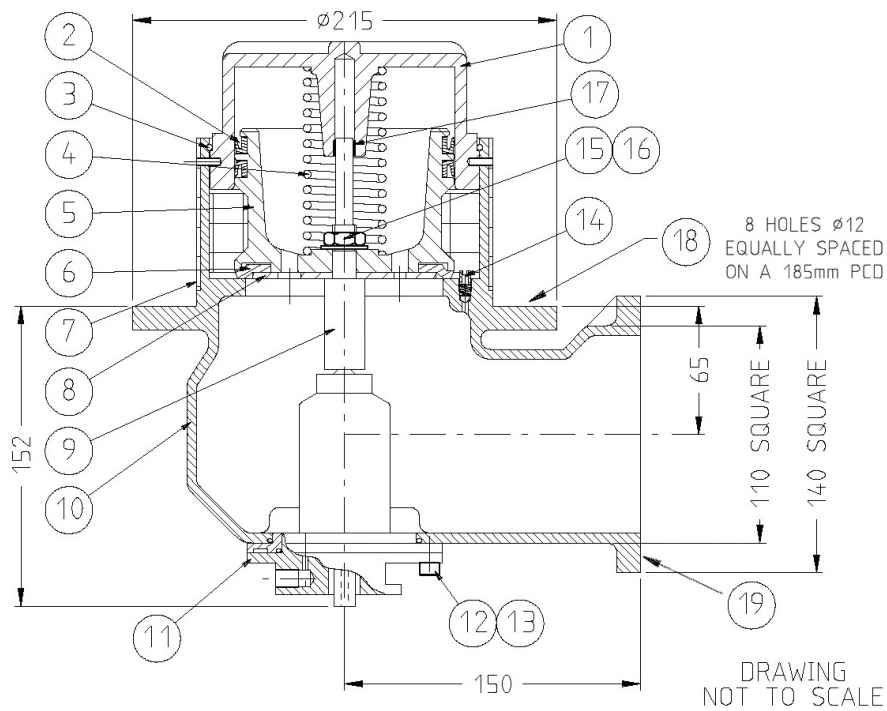
Ordering Information:

Part No	Description
NOR-904120	Pressure Balanced Internal Footvalve
300605.6	Aluminium Tank Flange to suit
300140.1	Viton Gasket to suit flange



NORMEC INTERNAL FOOTVALVE

Ordering Information:



NOR-904120 (Parts List)

Item No	Part No	Description	Qty	Material
1	80.42.73	Compensating Bell	1	Aluminium
2	034.024	U-Seal	2	Viton
3	80.40.04	Spring Clip Internal	1	St Steel
4	90.41.26	Spring	1	N/P M/S
5	80.42.74	Poppet	1	Aluminium
6	80.42.75	Poppet Seal	1	Viton
7	90.41.23	Filtrating Gauze	1	Z/P M/S
8	90.41.24	Seal Retaining Washer	1	Z/P M/S
9	90.41.22	Poppet Spindle	1	St Steel
10	90.41.21	Valve Body	1	Aluminium
11	90.40.50	Piston	1	Aluminium
12	003.039	Capscrew	4	Z/P M/S
13	024.005	Washer Shakeproof	4	Z/P M/S
14	80.43.10	Equalising Pressure Valve	1	Z/P M/S
15	015.063	Nut	1	Z/P M/S
16	027.108	Washer	1	Z/P M/S
17	049.016	Bush	1	
18	300140.1	Gasket	1	Viton
19	300138.2	Square Gasket	1	Viton

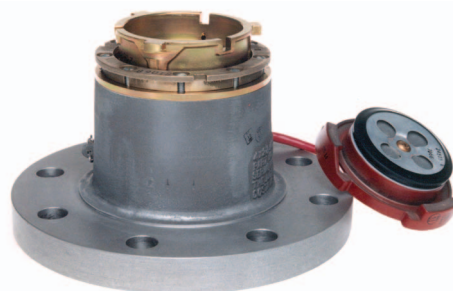
CARTER BOTTOM LOADING ADAPTOR

Carter provides the 2 1/2 inch aircraft standard bayonet refuelling adapter, to mate underwing nozzles or hydrant couplers, with several choices of flanged or threaded inlet. It is also available as a stand alone module without a housing. These adapters are designed to be used for either bottom loading of a refueller, for connection to a hydrant system or tank farm pumping system on refuellers.

Carter offers a choice of either outlet flanges or TTMA flanges for the three and four inch styles. The 2.5" outlet styles are available only in threaded connections, either NPT or BSPP. The ANSI type flanged units are most suited for hydrant applications while the TTMA units are suited for bottom loading or recirculation systems. The 2.5" units are (by choosing the correct unit) usable in either application.

Features

- Product Selection units available.
- Plastic or military metal sealing caps available.
- Convenient bosses to mount pressure gauges or sampling ports standard.
- Pressure equalisation valve offered in poppet for hydrant applications.



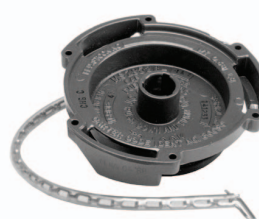
Model 6958 fuelling adapter



Model 61272 bottom loading adapter



Model 61531 military style sealing cap



Model 61529 aircraft adapter

CARTER BOTTOM LOADING ADAPTOR

Ordering Information:

The various models offered are available with the options shown in the tables below.

Model 64373

3 inch 125/150 lb. ANSI flat faced flange x 2-½ inch bayonet
Product selection positions 4-6 available. Weight 5.8 lbs (2.631 kg).

Option	Description	Comments	Weight	
			lb	kg
*A	Adds product selection (4,5,6)	In Lieu of option F	+0.4	.181
*B	Adds pressure relief valve	In lieu of option E	+0.0	
C	Adds pressure cap	In lieu of option D	+0.5	.227
D	Adds plastic cap	In lieu of option C	+0.1	.045
*E	Adds standard poppet (no relief valve)	In lieu of option B	+0.0	
*F	No product selection	In lieu of option A (for bottom loading application use Model 61409)	+0.0	

* Options A or F & B or E must be specified to achieve a completed part number

Model 64040

3 inch ANSI flange x 2-½ inch bayonet
No product selection (use for bottom loading only)

Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045

Model 61528

3 inch TTMA flange x 2-½ inch bayonet
No product selection (use for bottom loading only). Weight 3.3 lbs (1.497 kg).

Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045
*C	Commercial MS24484-2 adapter	In lieu of option D	+0.0	
*D	Mil-spec MS24484-5 adapter	In lieu of option C	+0.0	

* Options "C" or "D" must be specified to achieve a completed part number

Model 6958

2-½ inch outlet x 2-½ inch bayonet
No product selection (use for bottom loading or recirculation only). Weight 2.9 lbs (1.315 kg).

Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045
*C	Commercial MS24484-2 adapter	In lieu of option D	+0.0	
*D	Mil-spec MS24484-5 adapter	In lieu of option C	+0.0	
*G	Adds 2-½ inch - 8 NPT female outlet	In lieu of option H	+0.0	
*H	Adds 2-½ inch BSPP female Outlet	In lieu of option G	+0.0	

* Options C or D & G or H must be specified to achieve a completed part number

Model 60195

2-½ inch outlet x 2-½ inch bayonet
product selection positions 4-6 standard. Weight 3.3 lbs (1.497 kg)

Option	Description	Comments	Weight	
			lb	kg
A	Deletes product selection		-0.4	.181
B	Adds pressure relief valve	In lieu of option F	+0.0	
*C	Adds pressure cap	In lieu of option J	+0.5	.227
*D	Adds standard poppet (no relief valve)	In lieu of option B	+0.0	
*G	Adds 2-½ inch — 8 NPT female outlet	In lieu of option H	+0.0	
*H	Adds plastic cap	In lieu of option E	+0.1	.045

* Options B or F & G or H must be specified to achieve a completed part number

CARTER BOTTOM LOADING ADAPTOR

Ordering Information:

Model 61247

Modular fueling adapter in accordance with MS24484-5

Option	Description	Comments	Weight	
			lb	kg
61247	Modular adapter — MS24484-5	Qualified military unit	0.9	.408

Model 61529

Modular fueling adapter in accordance with MS24484-2
Use for bottom loading only. Not for airplane use. Weight 0.9 lb (.408 kg).

Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045
Z	Adds mounting flange o-ring		+0.0	

Model 61531

Pressure cap in accordance with MS29526-2

Option	Description	Comments	Weight	
			lb	kg
61531	Pressure dust cap — MS29526-2	Not for airplane use	0.5	.227

Model 60373

4 inch 125/150 lb. ANSI flat faced Flange x 2-½ inch bayonet
Product selection positions 4-6 available. Weight 7.4 lbs (3.356 kg).

Option	Description	Comments	Weight	
			lb	kg
*A	Adds product selection (4, 5 & 6)	In lieu of option F	+0.4	.181
*B	Adds pressure relief Valve	In lieu of option E	+0.0	
C	Adds pressure cap	In lieu of option D	+0.5	.227
D	Adds plastic cap	In lieu of option C	+0.1	.045
*E	Adds standard poppet (no relief valve)	In lieu of option B	+0.0	
*F	No product selection	In lieu of option A	+0.0	

* Options A or F & B or E must be specified to achieve a completed part number

Model 61409

4 inch 150 lb. ANSI flat faced flange x 2-½ inch bayonet
No product selection (use for bottom loading only). Weight 6.9 lbs. (3.133 kg).

Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045
*C	Commercial MS24484-2 adapter	In lieu of option D	+0.0	
*D	Mil-spec MS24484-5 adapter	In lieu of option C	+0.0	

* Options C or D must be specified to achieve a completed part number

Model 61272

4 inch TTMA flange x 2-½ inch bayonet
No product selection (use for bottom loading only). Weight 3.6 lbs (1.633 kg).

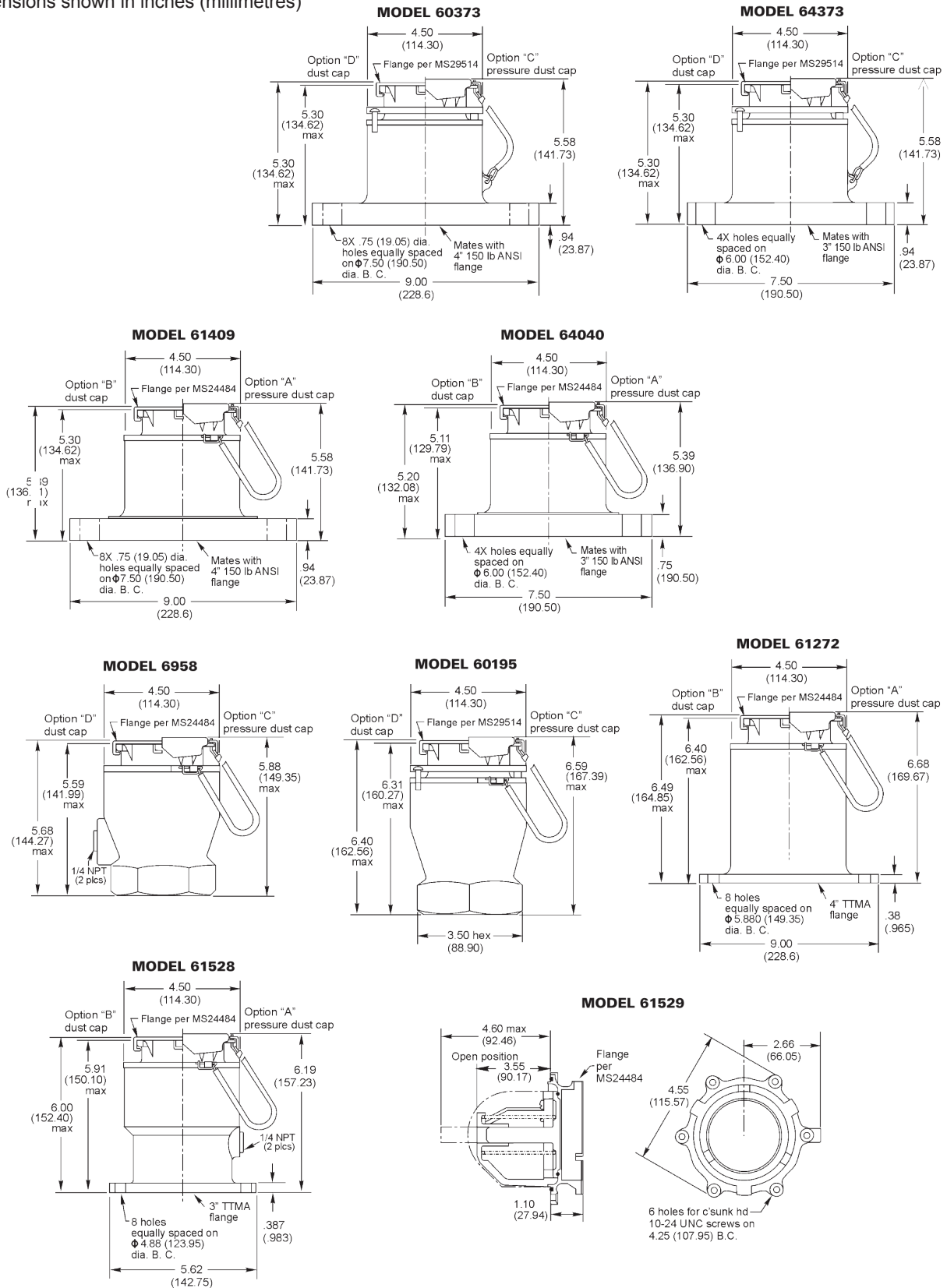
Option	Description	Comments	Weight	
			lb	kg
A	Adds pressure dust cap	In lieu of option B	+0.5	.227
B	Adds plastic dust cap	In lieu of option A	+0.1	.045
*C	Commercial MS24484-2 adapter	In lieu of option D	+0.0	
*D	Mil-spec MS24484-5 adapter	In lieu of option C	+0.0	

* Options C or D must be specified to achieve a completed part number

CARTER BOTTOM LOADING ADAPTOR

Envelope Dimensions

Dimensions shown in inches (millimetres)



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