

The VCM450 Vapour Adaptor

The VCM450 vapour adaptor has been introduced to enhance the Liquip range of equipment used in bottom loading and vapour recovery. The introduction of high flow rate into multiple compartments via bottom loading means the pressure drop across the adaptor must be kept to an absolute minimum. With many vehicles having 4 compartments loaded at once, this adaptor is designed to work with flow rates of up to 600m³/hour (10 000 litres per minute) at 20°C.



VCM450 model shown

Key Features

- High flow rate/low pressure drop
- Low weight aluminium construction
- Pneumatic interlock (optional extra)
- Sight glass for visual check of product in the vapour line
- Universal connection - 100mm camlock
- Universal mounting - 100mm (4") TTMA flange
- Drain plug
- Viton lip seal

Operation

The spring loaded adaptor automatically opens when coupled to a compatible coupler.

The 100mm flow through allows high flow rate into multiple compartments via bottom loading with low pressure drop across the adaptor.

Periodic Service

No set period. Service as required.

Technical Information

Variants	VCM3P – 4" camlock with 75mm (3") flow. Comes with mounts for air valve & proximity sensor. VCM3-F – 4" camlock with 75mm (3") flow. Plain flanged body – 4" TTMA.
Technical Data	100mm bore all through for minimum pressure drop. 30mm poppet travel. Adaptor is design to work with flow rates of up to 600m ³ /hour (10,000L/min) at 20°C. Adaptor has mounting for optional proximity or pneumatic interlock.
Weights	2.5kg
Mounting	4 inch TTMA, 8 holes on a 149mm PCD. Suit M10 bolts.
Materials	<ul style="list-style-type: none"> • Aluminium body and poppet • Stainless steel shaft • Zinc plated spring • Viton seal

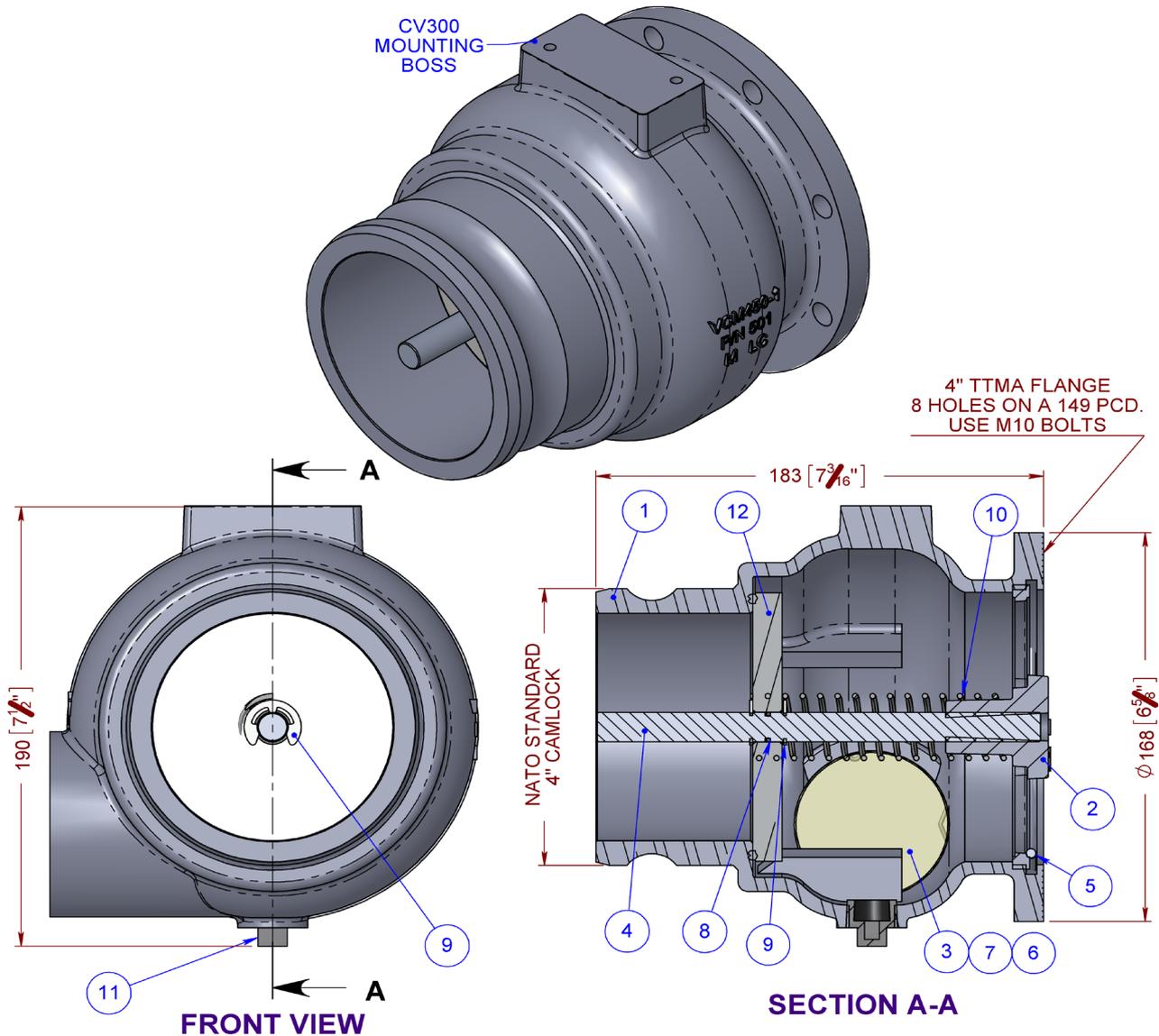
Ordering Information

- VCM450:** Vapour adaptor 100mm (4") flow through.
VCM3P: Vapour adaptor with proximity
VCM3-F Vapour adaptor 100mm (4") Male to 100mm TTMA flange.

Associated Equipment

- 5544** Proximity switch (M30).
VCF075W Vapour Coupling 100mm female camlock to 100mm hosetail.
VCF500 4" Vapour Coupler with dunny lid.
VCM-DC Aluminium Dust Cap to suit VCM3-F.

VCM450 VAPOUR ADAPTOR 4"



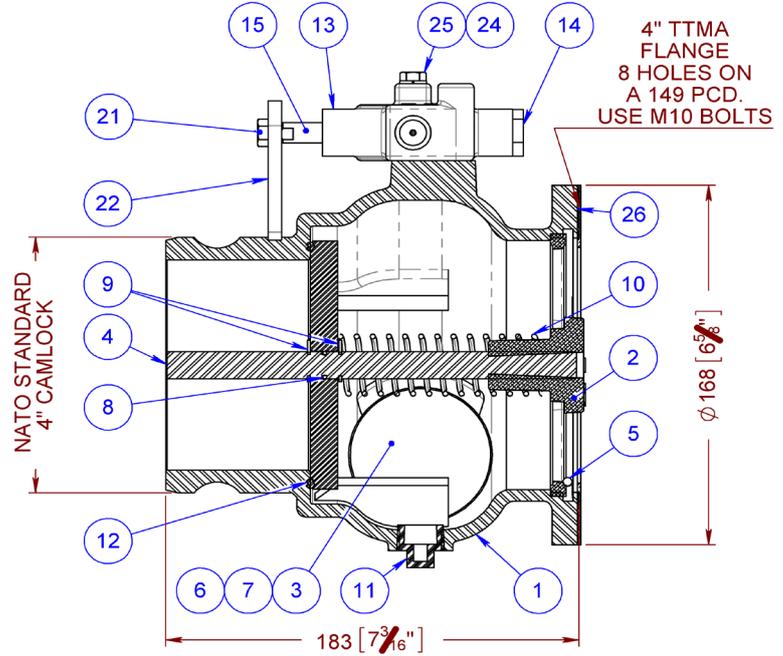
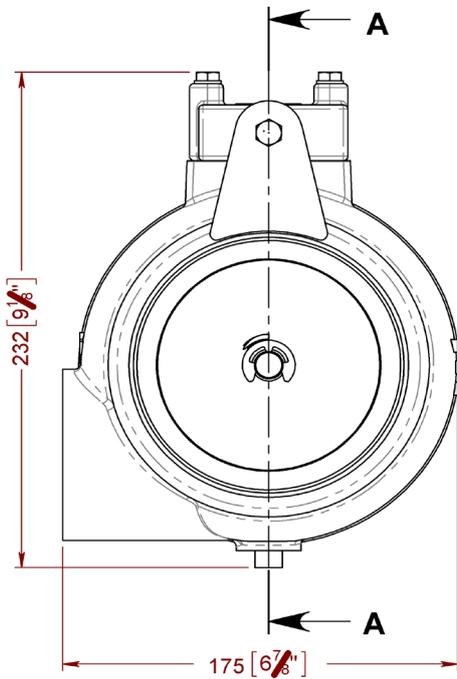
12	VCM450-2	POPPET	1	ALUMINIUM
11	5637	PLUG	1	PVC
10	4490	SPRING COMPRESSION	1	SPRING STEEL
9	0096	E-CLIP IMPERIAL	2	Z/P STEEL
8	0159	O-RING	1	NITRILE
7	0179	O-RING	1	NITRILE
6	4493	SPRING CLIP	1	ST STEEL
5	4469	SPRING CLIP	1	SPRING STEEL
4	VCM450-3	SHAFT	1	ST STEEL
3	5731	SIGHTGLASS	1	ACRYLIC
2	API450-3	SPIDER, SPRING RETAINING	1	ALUMINIUM
1	VCM450-1	BODY	1	ALUMINIUM

ITEM No. PART No. DESCRIPTION QTY MATERIAL

METERS - VALVES - VENTS - MANHOLES - HOSEREELS - OVERFILL PROTECTION - LOADING ARMS - ELECTRONIC DIPSTICKS

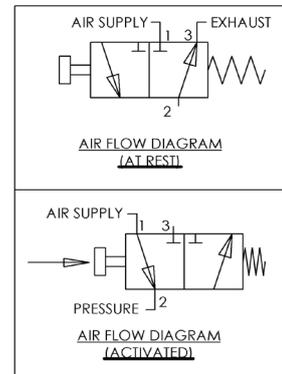
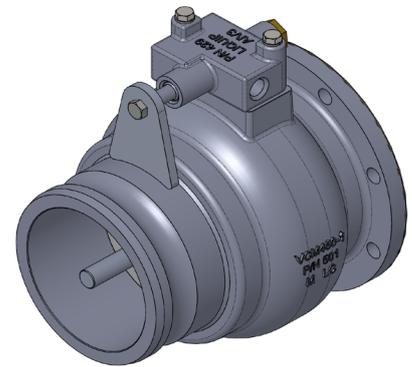
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VCM450AIZ VAPOUR ADAPTOR



4" TTMA FLANGE
8 HOLES ON
A 149 PCD.
USE M10 BOLTS

26	0657	GASKET TTMA 100mm (4")	1	NBR CORK
25	4961	BOLT METRIC	2	Z/P STEEL
24	5269	WASHER SPRING	2	Z/P STEEL
23	3360	LOCTITE	1	CYANOACRYLATE
22	VCM3U-2	STRIKER PLATE	1	ALUMINIUM
21	0002	SETScrew HEX	1	Z/P STEEL
20	3361	LOCTITE	1	CYANOACRYLATE
19	4512	O-RING	3	VITON A
18	4604	D STYLE ROD WIPER	1	POLYURETHANE
17	4362	CIRCLIP	1	SPRING STEEL
16	4432	SPRING RETURN	1	SPRING STEEL
15	CV300	SPOOL	1	ST STEEL
14	CV300	PLUG NUT	1	BRASS
13	CV300	BODY	1	ALUMINIUM
12	VCM450-2	POPPET	1	ALUMINIUM
11	5637	PLUG	1	PVC
10	4490	SPRING COMPRESSION	1	SPRING STEEL
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