- **Max. inlet pressures: 3 PSI, 5 PSI, 7.25 PSI, 90 PSI versions**
- **Pipe sizes: 1/4” ... 6” (NPT ... ANSI)**
- **IP 65 versions available**
- **Versions available for aggressive gases**
- **Visual indication module**
- **Proof of closure switch with integrated visual indication**
- **Suitable for high cycle operation**

VMR
VML
VMM

Safety solenoid valve for gas
Fast or slow opening, fast closing
Stand-alone or double valve options
1/4” ... 6”

N Version, for the North American Market

FM APPROVED

SIL IEC 61508 Certified

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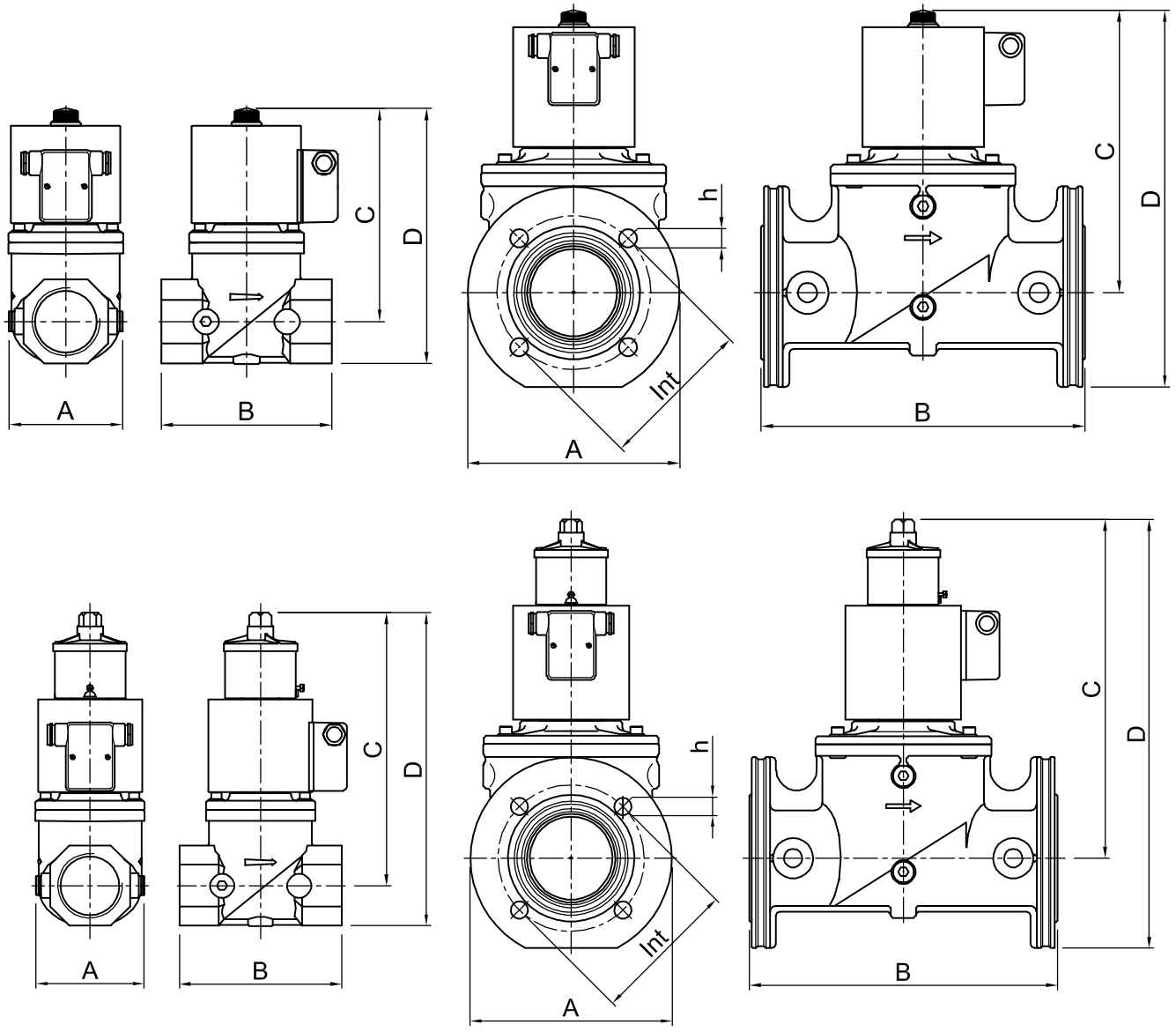
V1.2 07.24

Dimensions
VMR, VML

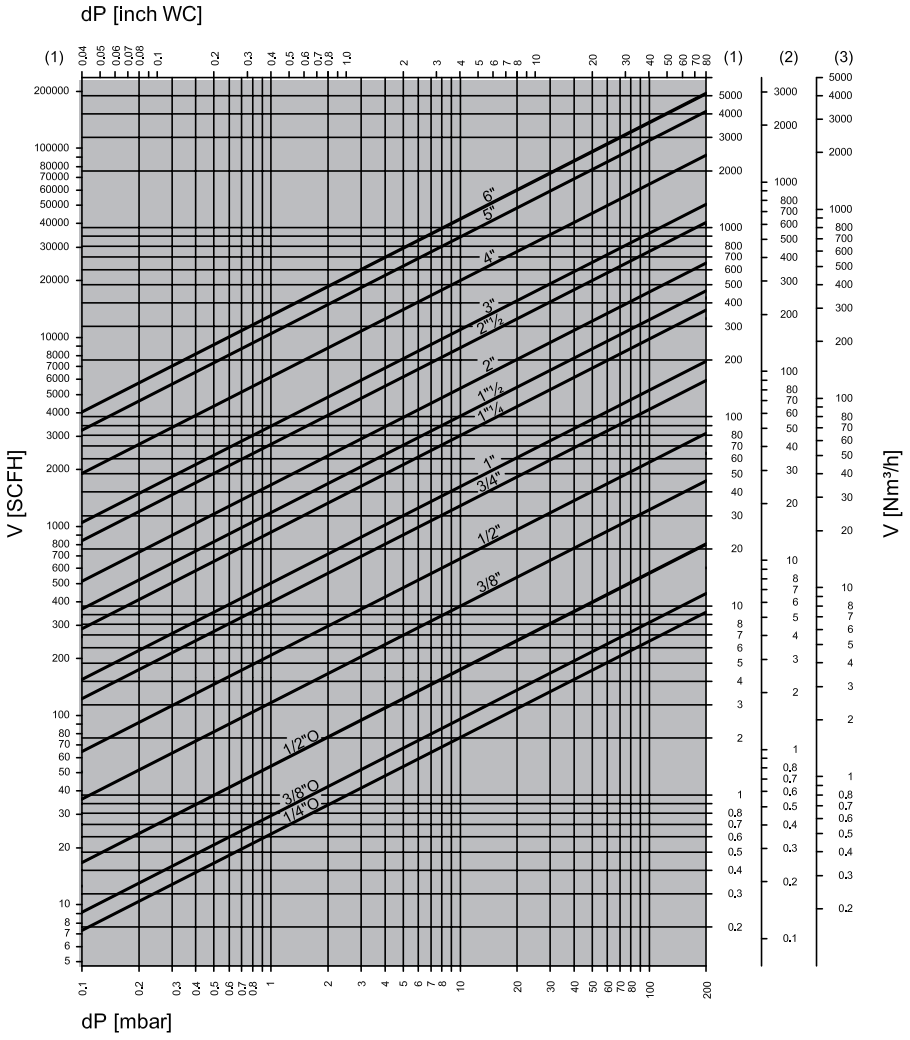


Dimensions
VML

Material and connections	Overall dimensions [inches]						Weight [lbs]
AISi	A	B	C	D	Int	h	
3/4” NPT	3.46	3.78	7.87	8.74	-	-	5.95
1” NPT	3.46	3.78	7.87	8.74	-	-	5.95
1-1/4” NPT	4.72	6.02	10.28	11.57	-	-	13.67
1-1/2” NPT	4.72	6.02	10.28	11.57	-	-	13.67
2” NPT	4.17	6.14	10.43	11.97	-	-	14.33
2-1/2”	7.09	8.58	12.76	14.57	-	-	26.68
2” ANSI [1]	6.50	7.72	10.43	13.70	4.75	4 x 3/4	18.30
2-1/2” ANSI	7.87	12.01	13.23	16.73	5.50	4 x 3/4	31.97
3” ANSI	7.87	12.01	13.23	16.73	6.00	4 x 3/4	31.97

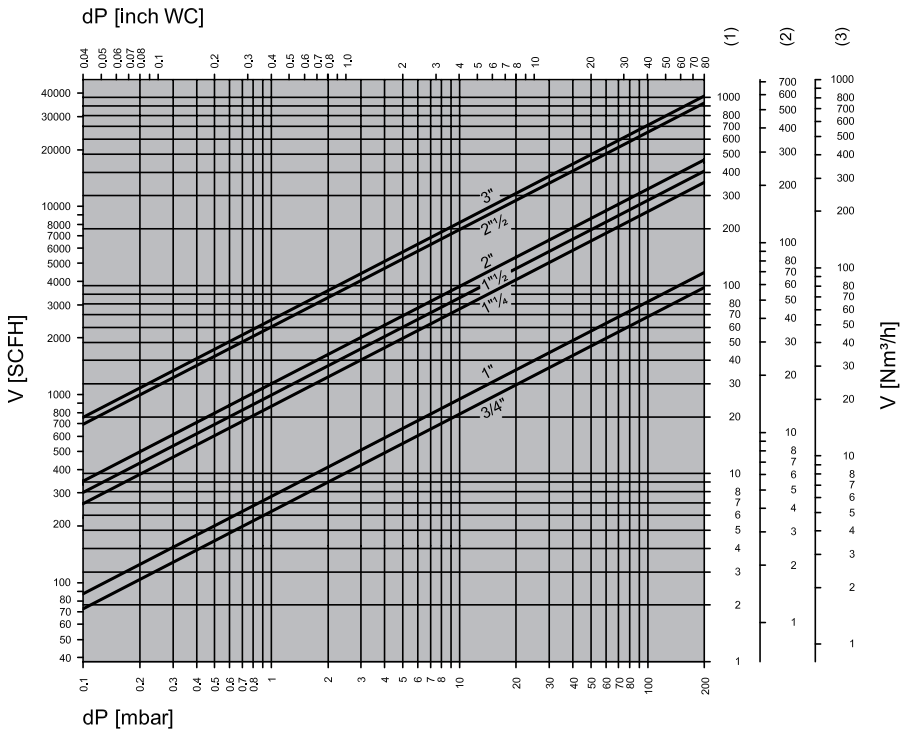
([1]) Flanged connection kit

Gas Flow Chart
(Pressure Drop)
VMR, VML



Gas type
(1) Natural gas
(2) LPG
(3) Air

Gas Flow Chart
(Pressure Drop)
VMM



Technical Specifications VMR, VML, VMM

Connections	Internal threaded ANSI-ASME B1.20 from 1/4” to 2-1/2” NPT (VMM: 3/4” to 2”) Flanged ANSI-ASA-ASME B16.5 class 150 from 2” to 6” (VMM: 2” to 3”)
VMM bypass size	1/2” or 1”
Voltage ratings	230 VAC 50/60 Hz 120 VAC 50/60 Hz 110 VAC 50/60 Hz 24 VAC/DC (AC not available for VMM 2-1/2, 3”) 12 VAC/DC (VMR only; 12V AC not available for VMR..OTN)
Voltage tolerance	-15% to +10%
Ambient temperature	+5°F to +140°F
Max. operating pressure /Max. body pressure	3 PSI /15 PSI 5 PSI /15 PSI 7.25 PSI /15 PSI 90 PSI /100 PSI
Closing time	< 1 second
Opening time	< 1 second (VMR); Adjustable (VML, VMM)
Gas strainer	600 µm (0.02 in), metal mesh (not included with OTN and 90 PSI models)
Enclosure	IP54 (IP 65 available as an option)
Cable gland	M20x1.5 for terminal box PG 9 for ISO plug
Wire cross-section	2.5 mm^2 max. (AWG 12) for terminal board 1.5 mm^2 max. (AWG 14) for ISO plug
Electrical safety	Class I (EN 60335-1) *accessible, conductive electrical parts are grounded*
Coil winding insulation	Class H (390°F) *temp. rating of the insulation on wire used in winding of the coil*
Coil thermal resistance	Class F (310°F) *temp. rating of coil insulation material, other than wire*

See technical sheet for additional details.

OLSTRÄD

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The information in this document contains general descriptions of technical options available and based on current specifications.

The company reserves the right to make changes in specifications and models as design improvements are introduced, without prior notice.

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