Equipment and solutions

JMV-V Single
Hydropneumatic System

Product technical datasheet

Compact JMV-V systems with variable frequency drive for constant pressure and full protection.

FT-P103 · Rev. 1



The JMV-V Single Hydropneumatic Systems are equipped with a variable frequency drive that maintains constant network pressure regardless of flow demand. This system provides significant energy savings, reduced operating noise and extended service life for all hydraulic.

Applications

- Hydropneumatic systems.
- Water supply in domestic installations
- Civil and industrial systems use
- Industrial processes and pressurization systems.

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Type

Single-pump hydropneumatic booster set

Control

Variable speed drive

Protection

Built-in thermal and dry-running protection

Voltage

230 V / 400 V (depending on model)

Applications

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Engineering note Confirm the installation conditions, power supply and duty point before commissioning.

Hydropneumatic booster set JMV-V · Series 2 · 1/2

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 2-3M - V	0,37	0,5	230	2,6	28 - 7	600 - 4.200
1 - JMV 2-4M - V	0,55	0,75	230	3,5	40 - 10	600 - 4.200
1 - JMV 2-5M - V	0,55	0,75	230	3,5	50 - 12	600 - 4.200
1 - JMV 2-6M - V	0,75	1	230	4,4	62 - 15	600 - 4.200
1 - JMV 2-7M - V	1,1	1,5	230	6,3	74 - 18	600 - 4.200
1 - JMV 2-8M - V	1,1	1,5	230	6,3	84 - 20	600 - 4.200
1 - JMV 2-9M - V	1,5	2	230	8,4	95 - 23	600 - 4.200
1 - JMV 2-10M - V	1,5	2	230	8,4	105 - 25	600 - 4.200
1 - JMV 2-11M - V	1,5	2	230	8,4	116 - 28	600 - 4.200
1 - JMV 2-3T - V	0,37	0,5	400	1	28 - 7	600 - 4.200

Hydropneumatic booster set JMV-V · Series 2 · 2/2

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 2-4T - V	0,55	0,75	400	1,4	40 - 10	600 - 4.200
1 - JMV 2-5T - V	0,55	0,75	400	1,4	50 - 12	600 - 4.200
1 - JMV 2-6T - V	0,75	1	400	1,7	62 - 15	600 - 4.200
1 - JMV 2-7T - V	1,1	1,5	400	2,4	74 - 18	600 - 4.200
1 - JMV 2-8T - V	1,1	1,5	400	2,4	84 - 20	600 - 4.200
1 - JMV 2-9T - V	1,5	2	400	3,2	95 - 23	600 - 4.200
1 - JMV 2-10T - V	1,5	2	400	3,2	105 - 25	600 - 4.200
1 - JMV 2-11T - V	1,5	2	400	3,2	116 - 28	600 - 4.200
1 - JMV 2-12T - V	2,2	3	400	5	126 - 30	600 - 4.200
1 - JMV 2-13T - V	2,2	3	400	5	137 - 33	600 - 4.200

Hydropneumatic booster set JMV-V · Series 3 · 1/2

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 3-3M - V	0,55	0,75	230	3,5	30 - 11	600 - 4.800
1 - JMV 3-4M - V	0,55	0,75	230	3,5	41 - 15	600 - 4.800
1 - JMV 3-5M - V	0,75	1	230	4,4	53 - 20	600 - 4.800
1 - JMV 3-6M - V	1,1	1,5	230	6,3	65 - 24	600 - 4.800
1 - JMV 3-7M - V	1,1	1,5	230	6,3	76 - 28	600 - 4.800
1 - JMV 3-8M - V	1,5	2	230	8,4	87 - 32	600 - 4.800
1 - JMV 3-9M - V	1,5	2	230	8,4	98 - 36	600 - 4.800
1 - JMV 3-10M - V	1,5	2	230	8,4	62 - 17	600 - 4.800
1 - JMV 3-3T - V	0,55	0,75	400	1,4	30 - 11	600 - 4.800
1 - JMV 3-4T - V	0,55	0,75	400	1,4	41 - 15	600 - 4.800

Hydropneumatic booster set JMV-V · Series 3 · 2/2

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 3-5T - V	0,75	1	400	1,7	53 - 20	600 - 4.800
1 - JMV 3-6T - V	1,1	1,5	400	2,4	65 - 24	600 - 4.800
1 - JMV 3-7T - V	1,1	1,5	400	2,4	76 - 28	600 - 4.800
1 - JMV 3-8T - V	1,5	2	400	3,2	87 - 32	600 - 4.800
1 - JMV 3-9T - V	1,5	2	400	3,2	98 - 36	600 - 4.800
1 - JMV 3-10T - V	1,5	2	400	3,2	62 - 17	600 - 4.800
1 - JMV 3-11T - V	2,2	3	400	5	120 - 44	600 - 4.800
1 - JMV 3-12T - V	2,2	3	400	5	131 - 48	600 - 4.800
1 - JMV 3-13T - V	2,2	3	400	5	141 - 52	600 - 4.800

Hydropneumatic booster set JMV-V · Series 5

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 5-3M - V	0,55	0,75	230	3,5	34 - 12	1.200 - 7.500
1 - JMV 5-4M - V	0,75	1	230	4,4	45 - 15	1.200 - 7.500
1 - JMV 5-5M - V	1,1	1,5	230	6,3	57 - 19	1.200 - 7.500
1 - JMV 5-6M - V	1,1	1,5	230	6,3	68 - 23	1.200 - 7.500
1 - JMV 5-7M - V	1,5	2	230	8,4	81 - 35	1.200 - 7.500
1 - JMV 5-3T - V	0,55	0,75	400	1,4	34 - 12	1.200 - 7.500
1 - JMV 5-4T - V	0,75	1	400	1,7	45 - 15	1.200 - 7.500
1 - JMV 5-5T - V	1,1	1,5	400	2,4	57 - 19	1.200 - 7.500
1 - JMV 5-6T - V	1,1	1,5	400	2,4	68 - 23	1.200 - 7.500
1 - JMV 5-7T - V	1,5	2	400	3,2	81 - 35	1.200 - 7.500
1 - JMV 5-8T - V	2,2	3	400	5	92 - 40	1.200 - 7.500
1 - JMV 5-9T - V	2,2	3	400	5	104 - 45	1.200 - 7.500
1 - JMV 5-10T - V	2,2	3	400	5	115 - 50	1.200 - 7.500
1 - JMV 5-11T - V	2,2	3	400	5	127 - 55	1.200 - 7.500
1 - JMV 5-12T - V	3	4	400	5,9	140 - 61	1.200 - 7.500
1 - JMV 5-13T - V	3	4	400	5,9	152 - 66	1.200 - 7.500

Hydropneumatic booster set JMV-V · Series 10

Dimensions and models

Model	kW	HP	V	A	Head (m)	Flow (l/h)
1 - JMV 10-2M - V	0,75	1	230	4,4	23 - 1	1.200 - 15.000
1 - JMV 10-3M - V	1,1	1,5	230	6,3	34 - 4	1.200 - 15.000
1 - JMV 10-4M - V	1,5	2	230	8,4	44 - 9	1.200 - 15.000
1 - JMV 10-2T - V	0,75	1	400	1,7	23 - 1	1.200 - 15.000
1 - JMV 10-3T - V	1,1	1,5	400	2,4	34 - 4	1.200 - 15.000
1 - JMV 10-4T - V	1,5	2	400	3,2	44 - 9	1.200 - 15.000
1 - JMV 10-5T - V	2,2	3	400	5	60 - 15	1.200 - 15.000
1 - JMV 10-6T - V	2,2	3	400	5	72 - 18	1.200 - 15.000
1 - JMV 10-7T - V	3	4	400	5,9	84 - 21	1.200 - 15.000

Recommended minimum pressure tank capacity

- Flow from 2 to 3 m³/h - 100 L

- Flow from 5 m³/h - 200 L

- Flow from 10 m³/h - 300 L

*THE BOOSTER SET PRICE DOES NOT INCLUDE A PRESSURE TANK.

CONTACT US FOR OTHER PRESSURES AND FLOW RATES.