Equipment and solutions

JMV-D Dual
Hydropneumatic System

Product technical datasheet

Automatic dual hydropneumatic system (direct start) with 2 MV series pumps.



FT-P104 · Rev. 1

The JMV-D dual hydropneumatic system provides automatic start/stop control via adjustable pressure switches. Consisting of two MV series pumps connected in parallel, it handles flow variations efficiently. Operation is managed in cascade with start alternation to ensure even.

Applications

- Hydropneumatic systems.
- Water supply in domestic installations
- Civil and industrial systems use
- Agricultural irrigation

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

Automatic twin-pump hydropneumatic booster sets

Series

2 - JMV-D (MV Series)

Components

2 electric pumps in parallel

Protection

Digital protection against dry running, overload and phase loss

Cooling

Cooled by pumped liquid

Applications

- Hydropneumatic systems.
- Water supply in domestic installations
- Civil and industrial systems use
- Agricultural irrigation

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.

Series 2 (2 · JMV) · 1/2

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 2-4M - D	0.55	0.75	230	3.5	40 - 10	1.200 - 8.400
2 - JMV 2-5M - D	0.55	0.75	230	3.5	50 - 12	1.200 - 8.400
2 - JMV 2-6M - D	0.75	1	230	4.4	62 - 15	1.200 - 8.400
2 - JMV 2-7M - D	1.1	1.5	230	6.3	74 - 18	1.200 - 8.400
2 - JMV 2-8M - D	1.1	1.5	230	6.3	84 - 20	1.200 - 8.400
2 - JMV 2-9M - D	1.5	2	230	8.4	95 - 23	1.200 - 8.400
2 - JMV 2-10M - D	1.5	2	230	8.4	105 - 25	1.200 - 8.400
2 - JMV 2-11M - D	1.5	2	230	8.4	116 - 28	1.200 - 8.400
2 - JMV 2-4T - D	0.55	0.75	400	1.4	40 - 10	1.200 - 8.400

Series 2 (2 · JMV) · 2/2

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 2-5T - D	0.55	0.75	400	1.4	50 - 12	1.200 - 8.400
2 - JMV 2-6T - D	0.75	1	400	1.7	62 - 15	1.200 - 8.400
2 - JMV 2-7T - D	1.1	1.5	400	2.4	74 - 18	1.200 - 8.400
2 - JMV 2-8T - D	1.1	1.5	400	2.4	84 - 20	1.200 - 8.400
2 - JMV 2-9T - D	1.5	2	400	3.2	95 - 23	1.200 - 8.400
2 - JMV 2-10T - D	1.5	2	400	3.2	105 - 25	1.200 - 8.400
2 - JMV 2-11T - D	1.5	2	400	3.2	116 - 28	1.200 - 8.400
2 - JMV 2-12T - D	2.2	3	400	5	126 - 30	1.200 - 8.400
2 - JMV 2-13T - D	2.2	3	400	5	137 - 33	1.200 - 8.400

Series 3 (2 · JMV) · 1/2

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 3-3M - D	0.55	0.75	230	3.5	30 - 11	1.200 - 9.600
2 - JMV 3-4M - D	0.55	0.75	230	3.5	41 - 15	1.200 - 9.600
2 - JMV 3-5M - D	0.75	1	230	4.4	53 - 20	1.200 - 9.600
2 - JMV 3-6M - D	1.1	1.5	230	6.3	65 - 24	1.200 - 9.600
2 - JMV 3-7M - D	1.1	1.5	230	6.3	76 - 28	1.200 - 9.600
2 - JMV 3-8M - D	1.5	2	230	8.4	87 - 32	1.200 - 9.600
2 - JMV 3-9M - D	1.5	2	230	8.4	98 - 36	1.200 - 9.600
2 - JMV 3-10M - D	1.5	2	230	8.4	62 - 17	1.200 - 8.400
2 - JMV 3-3T - D	0.55	0.75	400	1.4	30 - 11	1.200 - 9.600
2 - JMV 3-4T - D	0.55	0.75	400	1.4	41 - 15	1.200 - 9.600

Series 3 (2 · JMV) · 2/2

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 3-5T - D	0.75	1	400	1.7	53 - 20	1.200 - 9.600
2 - JMV 3-6T - D	1.1	1.5	400	2.4	65 - 24	1.200 - 9.600
2 - JMV 3-7T - D	1.1	1.5	400	2.4	76 - 28	1.200 - 9.600
2 - JMV 3-8T - D	1.5	2	400	3.2	87 - 32	1.200 - 9.600
2 - JMV 3-9T - D	1.5	2	400	3.2	98 - 36	1.200 - 9.600
2 - JMV 3-10T - D	1.5	2	400	3.2	62 - 17	1.200 - 8.400
2 - JMV 3-11T - D	2.2	3	400	5	120 - 44	1.200 - 9.600
2 - JMV 3-12T - D	2.2	3	400	5	131 - 48	1.200 - 9.600
2 - JMV 3-13T - D	2.2	3	400	5	141 - 52	1.200 - 9.600

Series 5 (2 · JMV)

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 5-3M - D	0.55	0.75	230	3.5	34 - 12	2.400 - 15.000
2 - JMV 5-4M - D	0.75	1	230	4.4	45 - 15	2.400 - 15.000
2 - JMV 5-5M - D	1.1	1.5	230	6.3	57 - 19	2.400 - 15.000
2 - JMV 5-6M - D	1.1	1.5	230	6.3	68 - 23	2.400 - 15.000
2 - JMV 5-7M - D	1.5	2	230	8.4	81 - 35	2.400 - 15.000
2 - JMV 5-3T - D	0.55	0.75	400	1.4	34 - 12	2.400 - 15.000
2 - JMV 5-4T - D	0.75	1	400	1.7	45 - 15	2.400 - 15.000
2 - JMV 5-5T - D	1.1	1.5	400	2.4	57 - 19	2.400 - 15.000
2 - JMV 5-6T - D	1.1	1.5	400	2.4	68 - 23	2.400 - 15.000
2 - JMV 5-7T - D	1.5	2	400	3.2	81 - 35	2.400 - 15.000
2 - JMV 5-8T - D	2.2	3	400	5	92 - 40	2.400 - 15.000
2 - JMV 5-9T - D	2.2	3	400	5	104 - 45	2.400 - 15.000
2 - JMV 5-10T - D	2.2	3	400	5	115 - 50	2.400 - 15.000
2 - JMV 5-11T - D	2.2	3	400	5	127 - 55	2.400 - 15.000
2 - JMV 5-12T - D	3	4	400	5.9	140 - 61	2.400 - 15.000
2 - JMV 5-13T - D	3	4	400	5.9	152 - 66	2.400 - 15.000

Series 10 (2 · JMV)

Dimensions and models

Model	kW	HP	V	Amp (A)	Head Pressure (m)	Flow Rate (l/h)
2 - JMV 10-2M - D	0.75	1	230	4.4	23 - 1	2.400 - 30.000
2 - JMV 10-3M - D	1.1	1.5	230	6.3	34 - 4	2.400 - 30.000
2 - JMV 10-4M - D	1.5	2	230	8.4	44 - 9	2.400 - 30.000
2 - JMV 10-2T - D	0.75	1	400	1.7	23 - 1	2.400 - 30.000
2 - JMV 10-3T - D	1.1	1.5	400	2.4	34 - 4	2.400 - 30.000
2 - JMV 10-4T - D	1.5	2	400	3.2	44 - 9	2.400 - 30.000
2 - JMV 10-5T - D	2.2	3	400	5	60 - 15	2.400 - 30.000
2 - JMV 10-6T - D	2.2	3	400	5	72 - 18	2.400 - 30.000
2 - JMV 10-7T - D	3	4	400	5.9	84 - 21	2.400 - 30.000