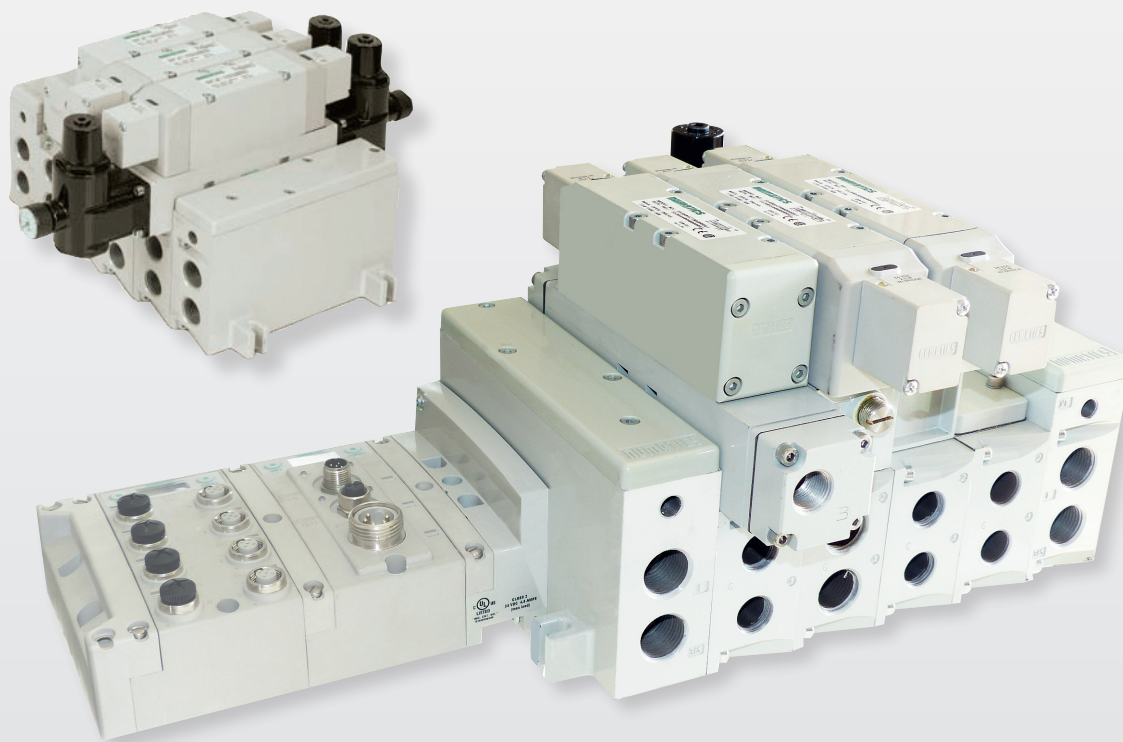


numatics™

Valve Manifolds



Series 2035

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



2035 Series

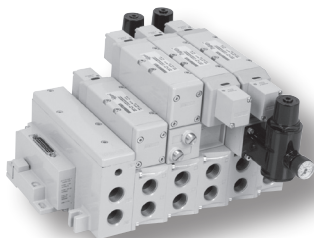
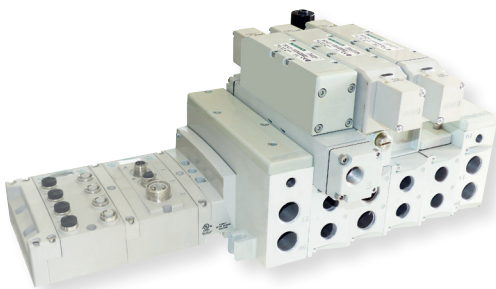
General Information

2035 Valve Series belong to the Numatics Valve Generation 2000.

With up to **224 outputs** and **96 inputs.**, depending on the protocols used, they fulfill all requirements of automation.

Characteristics:

- **Modular reality, true plug & play flexibility in design. 35 mm wide valves.**
- **Strong and light** due to valve housing made of aluminium.
- Equipped with the famous **Numatics lapped spool and sleeve assembly:**
 - Insensitive, self-cleaning spool made of stainless steel with “**air bearing effect**” by air entrained between spool and sleeve (1 µm air clearance), typical service life of **more than 200 million cycles.**
 - Can operate with **different pressures at the same time** within one valve, **independent** of flow direction.
 - Available as **5-port., 2- and 3-pos. valve.**
- **Exchange** of valves **without dismounting** valve manifold.
- **Worldwide support** by Numatics subsidiaries and distributors in **almost all countries of the world.**



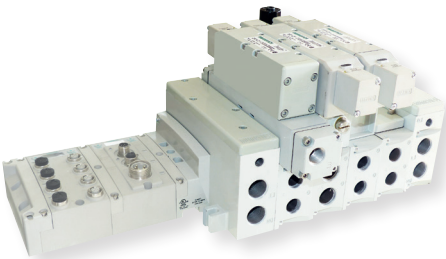
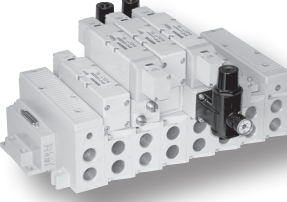
2035 Series

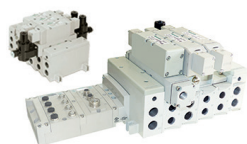
5-port., 2- and 3-pos. valves,
single or double solenoid pilot actuated
Flow capacity: 3820 l/min ANR

- Individual base mount or manifold mount
- Low-wattage solenoids polarity insensitive with surge suppression
- Plug-in manifolds with internal wiring by “Z-Board” plug-in system
- Integral recessed gaskets between base and valve as well as between the manifolds
- Interchangeable cartridge fittings to accommodate various tube sizes
- Simple conversion from internal to external pilot air supply
- Modular plug-together Fieldbus electronics
- Designed to meet IP65/NEMA4



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2035 Series

Technical Data • Operating Data

Manifolds of 2035 series valves are equipped with integral electrical plug-in allowing an easy exchange of single components without dismounting the manifold. "Z-Board"™ eliminates internal wiring.

Manifolds are available either with threaded ports or with push-in fittings.

Bottom supply ports are only available threaded. Common air exhaust.

End plates are available with integral mufflers.

Easy conversion from internal to external pilot air supply.



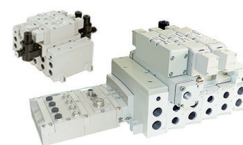
Technical Data

5-port., 2- and 3-pos. valves	2035
Flow capacity [at 6 bar, Δp 1 bar]	3500 l/min ANR
Operating pressure range:	Vacuum to 10 bar
Pilot pressure range:	1,8 to 8,2 bar
Ambient temperature range	-20°C to +50°C

Material	
Body:	Aluminium
Other parts:	Stainless steel, steel, aluminium alloy or plastic
Static seals:	NBR
Finish:	Anodised or varnished

Operating Data

5 port., 2- and 3-pos. valves	2035			
100% ED:	24 VDC		110-120 VAC 50/60 Hz	
Power (Watt):	2.5		4.2	
Response time [ms]	energise	de-energise	energise	de-energise
5-port., 2-pos., single actuated, spring return:	21	67	15	70
5-port., 2-pos., double actuated, detented:	17	-	15	-
5-port., 3-pos., double actuated, spring centered:	21	72	15	80



Sandwich Pressure Regulators • General Information

For 2035 Series **single** as well as **double sandwich pressure regulators** are available.

With **single sandwich pressure regulators**, pressure supply is regulated via port 1. This is carried out independently of other valves on the manifold.

With **double sandwich pressure regulators**, pressure supply is regulated via ports 2 and 4, i. e. each cylinder port can be regulated individually.

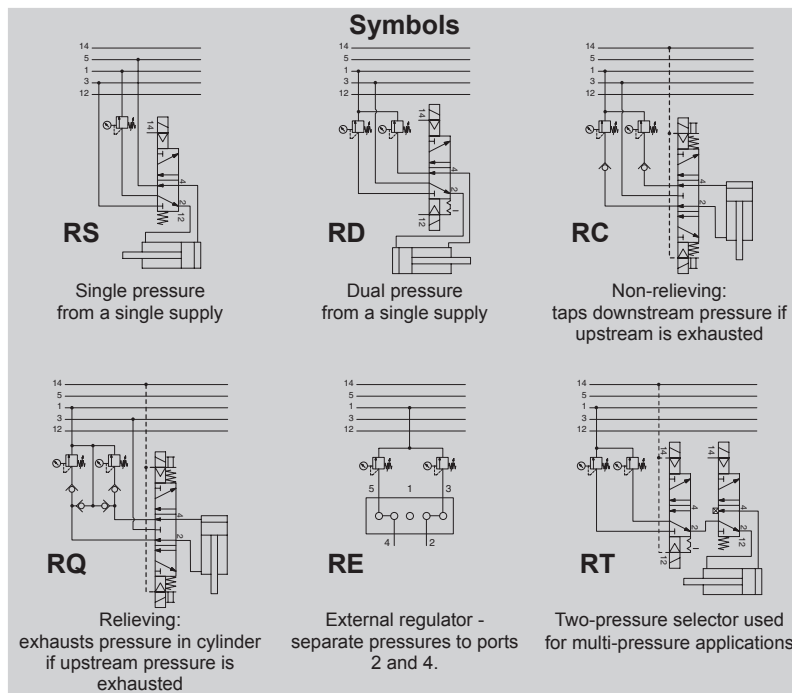
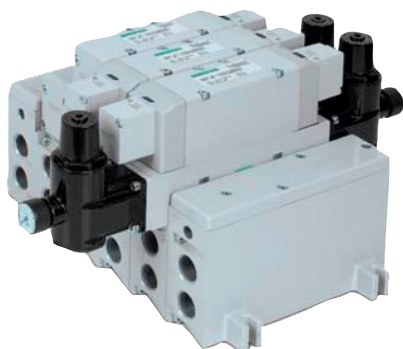
The selected pressure can be read via a gauge, either mounted inline or on a 90° swivel elbow.

Sandwich Pressure Regulators

2035 series:Type RS / RD / RC / RQ / RE / RT

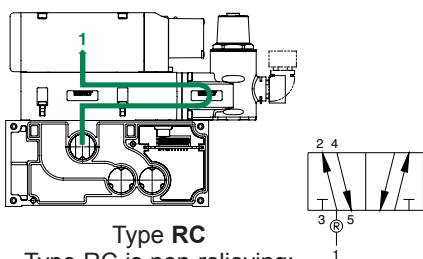
When ordering a valve with regulator mounted on a manifold, list the valve unit model number only and include the mounting requirements with the regulator. Specify "Assembled"

EXAMPLE ORDERS: Type RS
Valve unit only: 353BA400K000030
Regulator and mounting: 353RS1Z1JN00000
 ASSEMBLED



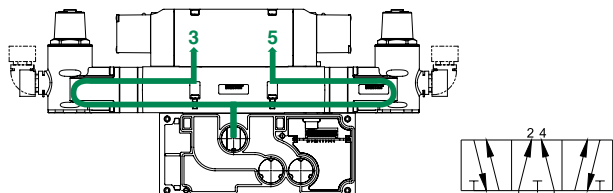
Type RS

Single pressure from a single supply.



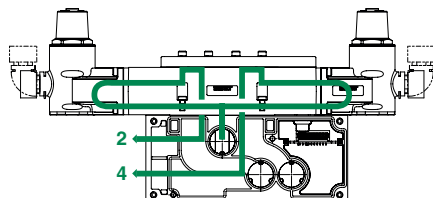
Type RC

Type RC is non-relieving:
Traps downstream pressure
if upstream pressure is exhausted.



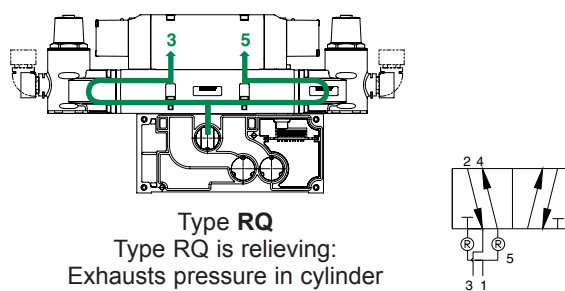
Type RE

External regulator -
separate pressures to ports 2 and 4..



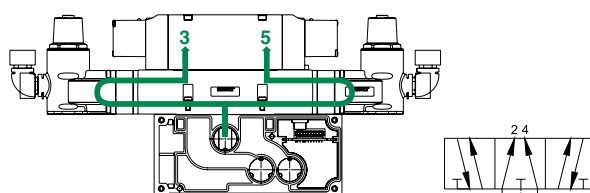
Type RD

Dual pressure from a single supply.



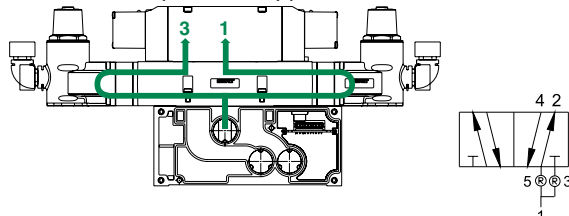
Type RQ

Type RQ is relieving:
Exhausts pressure in cylinder
if upstream pressure is exhausted.



Type RT

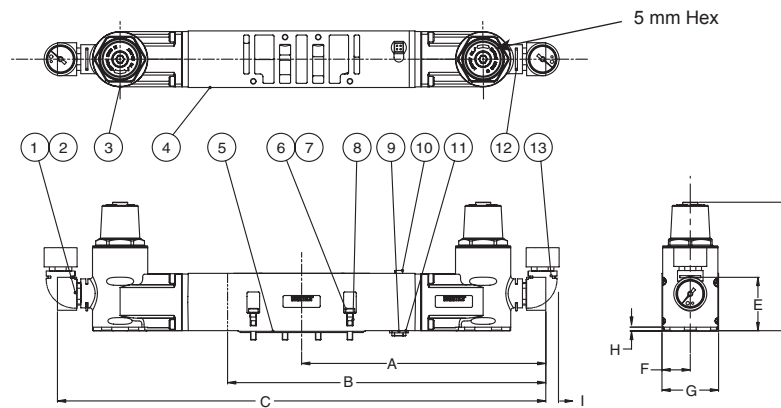
Two-pressure selector used for
multi-pressure applications.





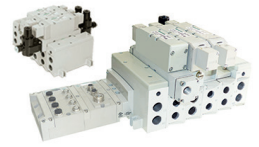
2035 Series

Sandwich Pressure Regulators • Dimensions Single or Double Sandwich Pressure Regulator



Dimensions 2035 series [mm]

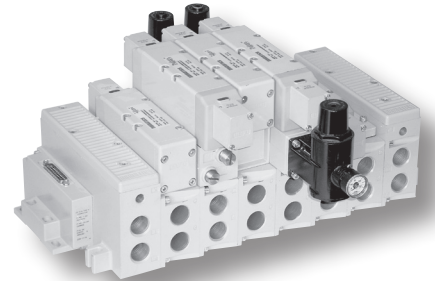
Type	A	B	C	D	E	F	G	H	I	Weight approx. [kg]
Single regulator	177.1	230.7	—	93.1	38.6	20.5	41.0	0.46	—	0.720
Double regulator	177.1	—	354.1	93.1	38.6	20.5	41.0	0.46	373.1	0.995



General Information on Multipole Systems

FEATURES

- Solenoid air operated valve manifolds for connection to a control system (PLC) with a multiwire cable for simple wiring.
- Electrical connection with a 25 or 37 pin Sub-D connector or a 12, 19 or 26 pin round connector. Harting on request.
- Internal wiring by "Z-Board" plug-in system.
- Plug-together flexibility due to different assembly and wiring options.
- Designed to meet IP65 / NEMA 4 with round connector or terminal strip. These protection classes allow direct incorporation of the 2000 series manifold into a machine, close to the actuators and enable an increased number of production cycles.
- Manifold delivered assembled according to customer specifications.



COMBINATIONS

- Modules of up to 32 valves can be grouped together.
The maximum number of valves depends on the type of electrical connection chosen:
 - 25 pin Sub-D connector : max. 22 solenoids
 - 37 pin Sub-D connector : max. 32 solenoids
 - Terminal strip: max. 32 solenoids
 - 12 pin round connector: max. 8 solenoids
 - 19 pin round connector: max. 15 solenoids
 - 26 pin round connector: max. 22 solenoids
- Optional mixing of:
 - All functions of dual 2-position, 5-ported, 2-position single or double actuated and 5-ported, 3-position valves.
 - Pressure separation plate and intermediate pressure supply module.
- The valve manifolds are intended for frame.

Technical Data

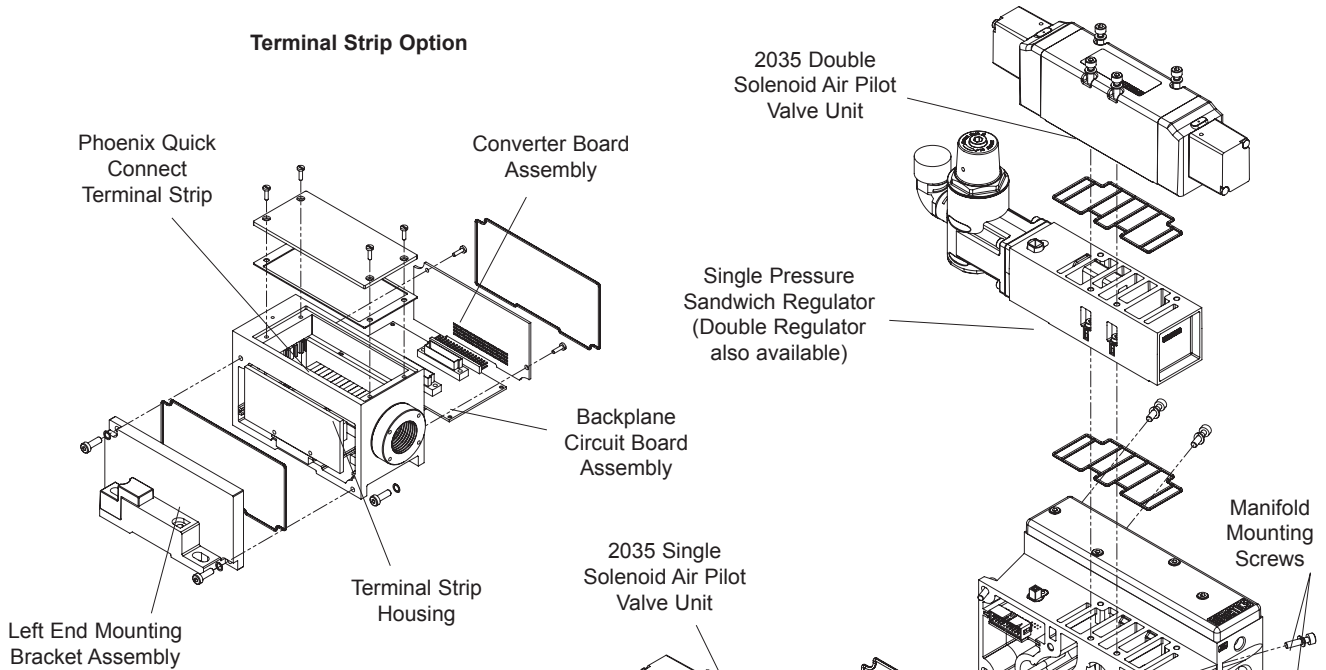
Electrical data	
Node power:	Voltage: 24 V DC +/- 10%
Operating data	
Temperature range:	-20 °C to +50 °C
Humidity:	air or inert gas ISO 8573 Level 7.4.4
Protection:	IP 65 or NEMA 4
Configuration data	
Solenoid coil outputs:	Max. 32



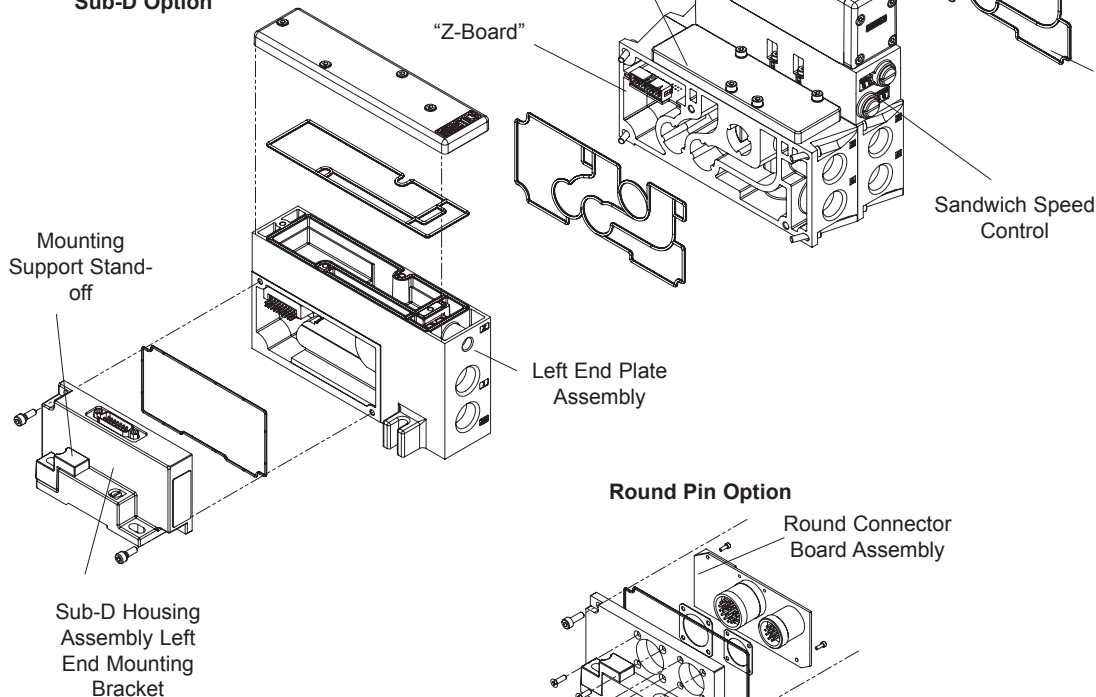
2035 Series

Terminal Strip, Sub-D, and Round Connector Options (58)

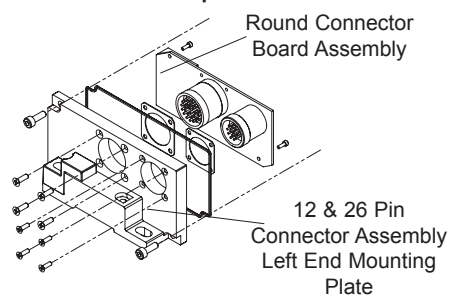
Terminal Strip Option

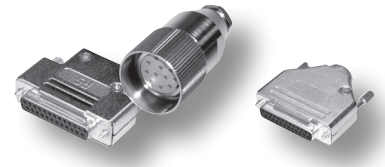


Sub-D Option

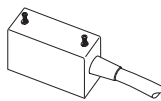
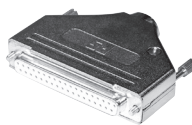
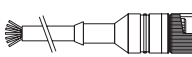
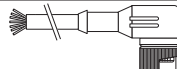
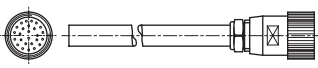


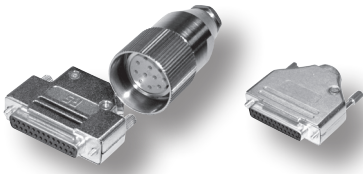
Round Pin Option





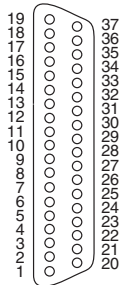
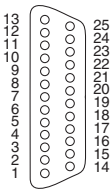
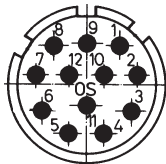
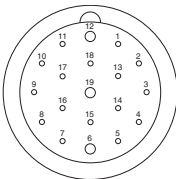
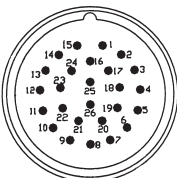
Multipole Systems • Accessories

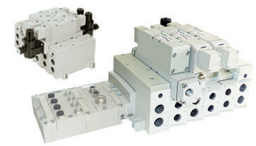
Accessory	Description			Order Code
	25 pin female SUB-D connector, according to DIN 47100, straight cable outlet (IP 40) (série 2000)	w/ cable	2m	88100453
			5 m	88100456
			10 m	88100461
	25 pin female SUB-D connector, elbow cable outlet (série 2000)	w/ cable	2 m	88100901
			5 m	88157644
	37 pin female SUB-D connector, according to DIN 47100, straight cable outlet (IP 40) (série 2000)	w/ cable	2 m	88100473
			5 m	88100476
			10 m	88100481
	19 pin female M23 connector, straight	w/o cable		88164102
		w/ cable	5 m	88164106
	19 pin female M23 connector, 90° elbow	w/o cable		88164105
		w/ cable	5 m	88164107
	12 pin female M23 connector (IP 65)	w/o cable		230-879-K
		w/ cable	2 m	230-960-02m
			5 m	230-960-05m
			10 m	230-960-10m
	26 pin female M27 connector (IP 65)	w/ cable	10 m	230-742E-10m



2035 Series

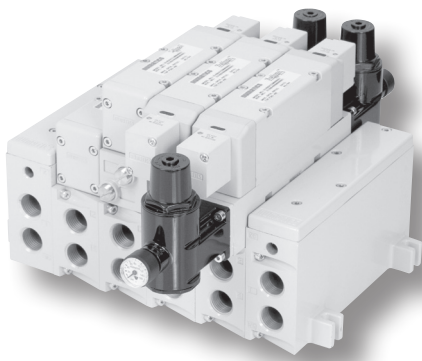
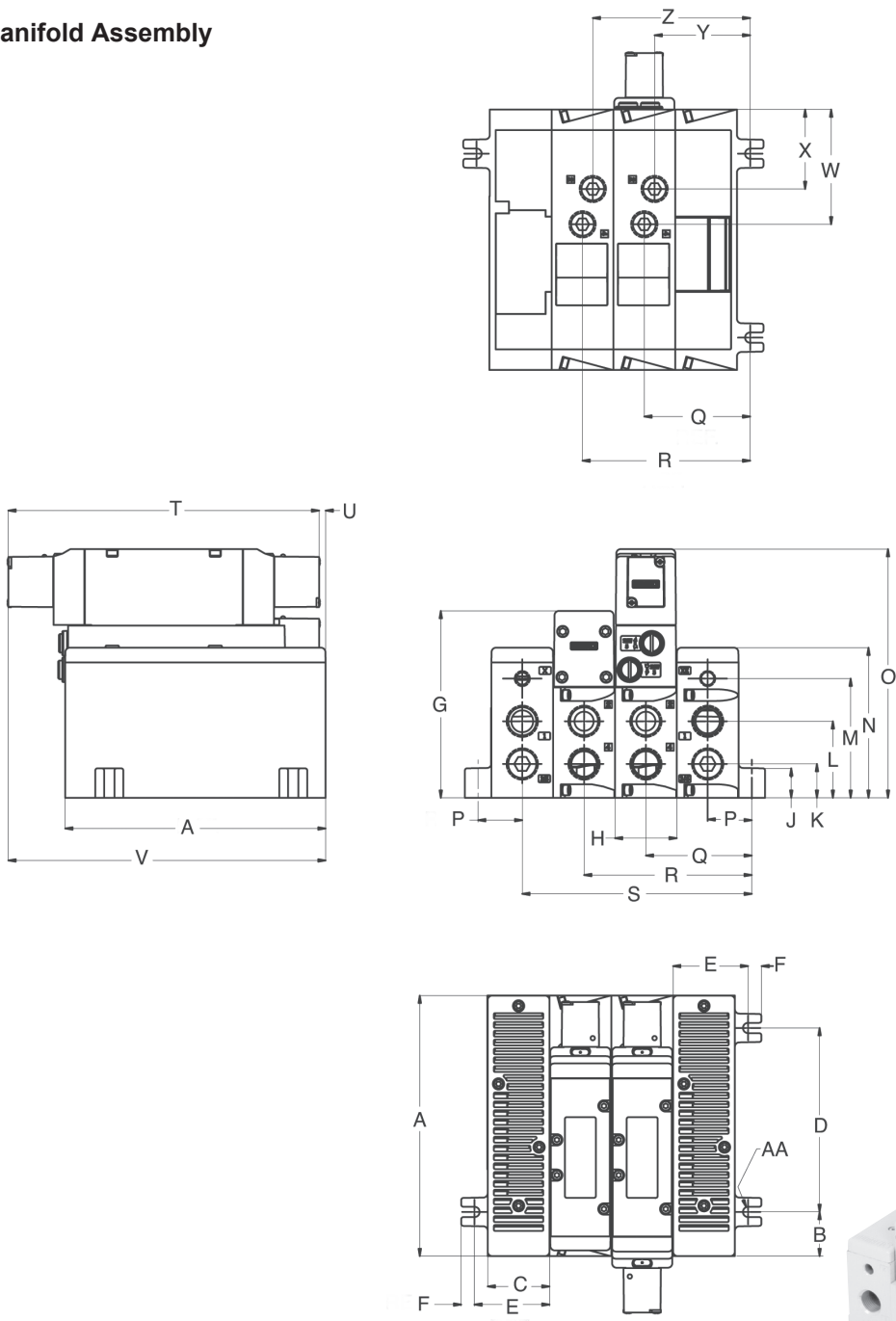
Multipole Systems • Accessories

Pin no.	37 PIN SUB-D according to DIN 47100 Order Codes: 88100473 88100476 88100481	SUB-D 25 Order Codes: 88100901 88157644	25 PIN SUB-D according to DIN 47100 Order Codes: 88100453 88100456 88100461	12 PIN ROUND M23 Order Code: 230-960-xxm	19 PIN ROUND M23 Order Codes: 88164106 88164107	26 PIN ROUND M27 Order Code: 230-742E-10m
1	white	white-green	white	white	purple	white
2	brown	white-yellow	brown	brown	red	brown
3	green	white-grey	green	green	grey	green
4	yellow	green	yellow	yellow	red-blue	yellow
5	grey	yellow	grey	grey	green	grey
6	pink	yellow-black	pink	pink	blue	pink
7	blue	grey	blue	blue	grey-pink	blue
8	red	yellow-red	red	red	white-green	red
9	black	pink	black	black	white-yellow	black
10	purple	yellow-blue	purple	purple	white-grey	purple
11	grey-pink	orange	grey-pink	grey-pink	black	pink-brown
12	red-blue	khaki	red-blue	green-yellow	yellow-green	white-pink
13	white-green	blue	white-green		yellow-brown	white-green
14	brown-green	white-brown	brown-green		brown-green	brown-green
15	white-yellow	white-black	white-yellow		white	white-yellow
16	yellow-brown	purple	yellow-brown		yellow	yellow-brown
17	white-grey	white-pink	white-grey		pink	white-grey
18	grey-brown	white-red	grey-brown		grey-brown	grey-brown
19	white-pink	white-purple	white-pink		brown	red-blue
20	pink-brown	white-blue	pink-brown			grey-pink
21	white-blue	blue	white-blue			white-blue
22	brown-blue	white	brown-blue			brown-blue
23	white-red	red	white-red			white-red
24	brown-red	brown	brown-red			brown-red
25	white-black	black	white-black			white-black
26	brown-black					yellow-green
27	grey-green					
28	yellow-grey					
29	pink-green					
30	yellow-pink					
31	green-blue					
32	yellow-blue					
33	green-red					
34	yellow-red					
35	green-black					
36	yellow-black					
37	grey-blue					
	 Pin 37 PE Pins 35-36 COMMON Pins 1-32 Coils	 Pin 25 PE Pins 23-24 COMMON Pins 1-22 Coils	 Pin 12 PE Pin 11 COMMON Pins 1-10 Coils	View from solder side  Pin 12 PE Pin 6 COMMON	 Pin 26 PE Pins 24-25 COMMON Pins 1-22 Coils	



Dimensions

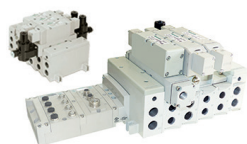
Manifold Assembly



Note:
For Fieldbus Electronics dimensions, see page: [109](#)

Dimensions [mm]

A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	
177.0	30.0	42.0	125.0	51.0	9.0	127.0	42.0	20.0	23.0	52.0	81.0	102.0	169.0	30.0	72.0	114.0	
S	T	U	V	W	X	Y	Z	AA	Weight (0 stations) approx. [kg]							+ kg per station	
156.0	211.3	4.4	215.6	78.0	54.0	65.0	72.0	3.5	2.050							0.640	



2035 Series

Multipole Connections • Overview

How to order: (example)

[Configurator - CAD Files](#)

1. Multipol Module

AK J B D 0000 4 GSTD

Electronic System

- F** = Terminal strip 1 - 16
- T** = Terminal strip 1 - 32
- J** = 25 pin SUB-D
- M** = 37 pin SUB-D
- P** = 12 pin round M23 connector
- Q** = 19 pin round M23 connector
- S** = 26 pin round M27 connector & 12 pin round M23 connector

Series

- B** = 2035 Series

Number of Valve Stations¹⁾

A = 1	I = 9	Q = 17	Y = 25
B = 2	J = 10	R = 18	Z = 26
C = 3	K = 11	S = 19	2 = 27
D = 4	L = 12	T = 20	3 = 28
E = 5	M = 13	U = 21	4 = 29
F = 6	N = 14	V = 22	5 = 30
G = 7	O = 15	W = 23	6 = 31
H = 8	P = 16	X = 24	7 = 32

Options

- STD** = Standard
- MUF** = Muffler in end plates
- A06** = End plate with ports on left end only, mounting plate only on right end
- D11** = A06 + MUF
- D12** = MUF + 14X
- 14X** = External pilot supply

Port Type

- N** = NPTF (contact us)
- G** = G thread

End Plate Port Size 2035 Series

- 4** = Port type N or G
Port 1 = 1/2 Port 3 / 5 = 1/2
- X** = Multiple valve groups resulting in different standard end plate port size (2035 = 1/2)

Maximum Solenoid Outputs

AK „F“	AK „T“	AK „J“	AK „M“	AK „P“	AK „S“
16	32	22	32	8	32

1) Note:

Maximum number of valve stations is determined by

- the electrical / electronic connection type
 - the valve type: Single solenoid pilot actuated valves up to the maximum solenoid outputs allowed by the electrical connection type or a combination of single and/or double solenoid actuated valves not to exceed the maximum number of outputs allowed.
- Example: 6 single and 5 double solenoid actuated valves have in total 16 solenoid outputs.
This is the maximum amount permitted for the terminal strip version. ("AKF").



Multipole Connections • Valves • Overview

2. Valve Model Number

35 3 BB 4 Z6 M G000 61

Series		Voltage	
35 =	2035 Series	00 =	Blank station plate
		60 =	12 V DC
		61 =	24 V DC
Port Size of Base		Options	
3 =	G 3/8 or NPTF or valve w/o manifold	000 =	Without option
4 =	G 1/2 or NPTF or valve w/o manifold	11B =	Locking override
		11M =	Without manual override
		Further options on request	
Actuator		Port Type of Bases	
BA =	Single actuated and spring return flush non-locking manual override	O =	Without base
BB =	Double actuated, flush non-locking manual override	G =	G thread
00 =	Manifold w/o valve (blank station)	N =	NPTF thread
Function		Wiring Options	
4 =	5-port., 2-pos. valve	K =	Plug-in, AC with LED
5 =	5-port., 3-pos. valve, open center, dual pressure	M =	Plug-in, DC with LED
6 =	5-port., 3-pos. valve, closed center	O =	Blank station plate
P =	Indicates blank station plate		
		Mounting	
		00 =	Valve unit only
		01 =	With sandwich speed control
		Z1 =	Manifold block with side and bottom ports, single solenoid, "Z-Board"™
		Z2 =	Manifold block with side and bottom ports, double solenoid, "Z-Board"™
		Z5 =	Z1 with speed control
		Z6 =	Z2 with speed control
		R1 =	Z1 with ribbon cable connector
		R2 =	Z2 with ribbon cable connector
		R5 =	Z5 with ribbon cable connector
		R6 =	Z6 with ribbon cable connector
		N2 =	M12 separation 24 V DC



Ribbon cable option must be used for manifold assemblies that exceed 16 solenoids. (7th and 8th digit of valve order code)

Symbols



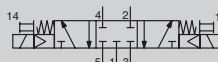
15/16... 05/12/35... **BA4** 5-port., 2-pos. valve, spring return



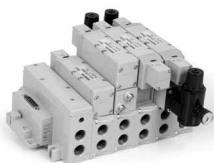
15/16... 05/12/35... **BB4** 5-port., 2-pos. valve, detented



15/16... 05/12/35... **BB5*** 5-port., 3-pos. valve, open center, dual pressure



R5/R6... 05/12/35... **BB6** 5-port., 3-pos. valve, closed center



2035 Series

Sandwich Pressure Regulators • Overview

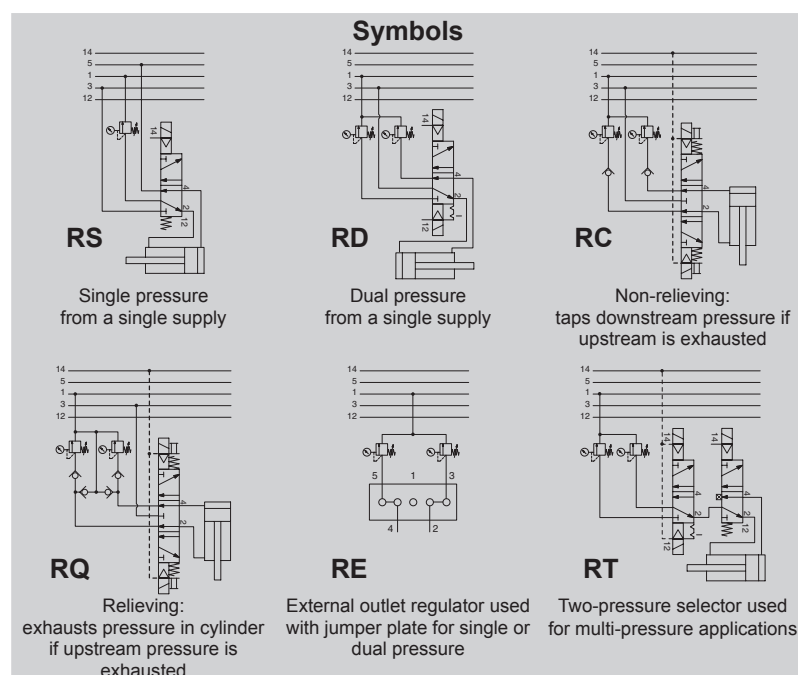
3. Sandwich Pressure Regulator Model Number

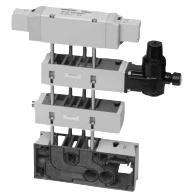
35 4 RS 1 Z1 J G000 00

Series		Options	
35 =	2035 Series	000 =	Standard
		12H =	Without gauge
		16N =	Jumper on 14 end
		16P =	Jumper on 12 end
		Further options on request	
Port Size of Base		Port Type of Bases	
3 =	G 3/8 or NPTF or valve w/o manifold	O =	Without base
4 =	G 1/2 or NPTF or valve w/o manifold	Q =	G thread
		K =	Plug-in fittings
		P =	NPTF thread
Regulator Type		Wiring Option	
RS =	Single pressure to port 1	J =	Plug-in receptacle
RD =	Dual pressure to ports 3 and 5		
RC =	Dual pressure with non-relieving checks		
RQ =	Dual pressure with relieving checks		
RE =	Dual pressure to ports 4 and 2		
RT =	Two-pressure selector		
Pressure Range		Mounting	
1 =	0.7 to 9 bar	00 =	Regulator unit only
3 =	0.2 to 2 bar	01 =	With sandwich speed control
4 =	0.5 to 4 bar	Z1 =	Manifold block with side and bottom ports, single solenoid, "Z-Board"™
		Z2 =	Manifold block with side and bottom ports, double solenoid, "Z-Board"™
		Z5 =	Z1 with speed control
		Z6 =	Z2 with speed control
		R1 =	Z1 with ribbon cable connector
		R2 =	Z2 with ribbon cable connector
		R5 =	Z5 with ribbon cable connector
		R6 =	Z6 with ribbon cable connector



Ribbon cable option must be used for manifold assemblies that exceed 16 solenoids. (7th and 8th digit of valve order code)





Multipole Connections • Example Order

Sandwich Pressure Regulators and Speed Control

Type: **RS / RD / RE / RT**

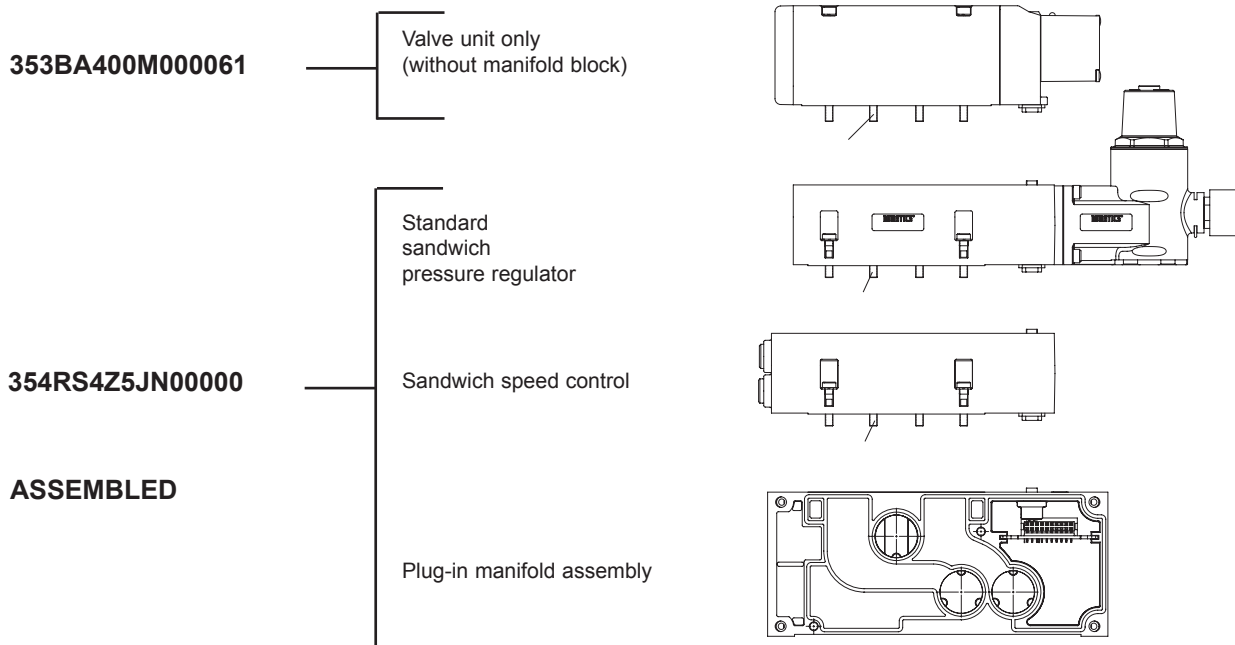
When ordering a valve with regulator mounted on a manifold and sandwich speed control, list the valve unit model number only and include the mounting requirements with the regulator and the speed control.

Specify "Assembled"

EXAMPLE ORDERS:

Valve unit only: 353BA400M000061

Regulator with speed control and mounting: 354RS4Z5JN00000
ASSEMBLED



Note: Sandwich speed controls can only be used with single sandwich pressure regulators.

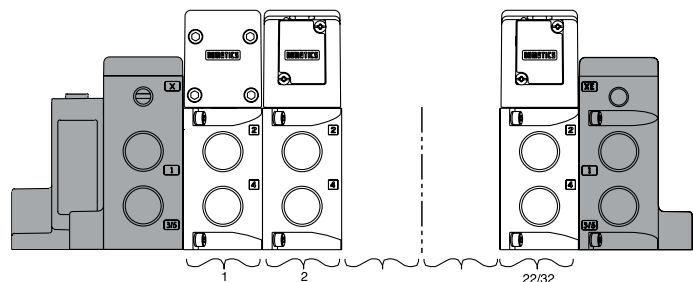
Manifold assembly • Multipole connection

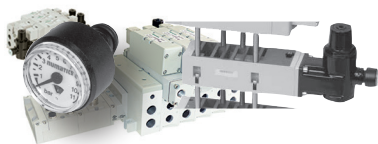
Shaded components are included in assembly kit (AK).

Each valve station is listed in sequential order from left to right when facing the port side of the manifold as indicated. For valves and sandwich pressure regulators, see model number selection on pages X021-09-13 and 14).

Example order: (25 Pin Sub-D)

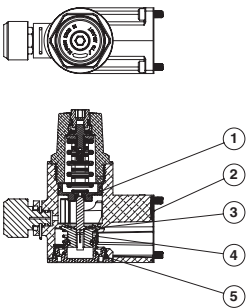
1. Assembly kit **AKJBD00004NSTD**
 2. Valve
 - Station 1 = **353BA4Z1MN00061**
 - Station 2 = **353BA4Z1MN00061**
 - Station 3 = **353BB4Z2MN00061**
 - Station 4 = **353BB5Z2MN00061**
- ASSEMBLED**

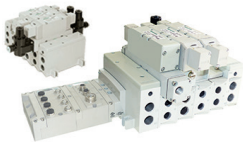




2035 Series

Accessories • Sandwich Pressure Regulators

accessory	description		order code
	Regulator repair kit	0,2 to 2 bar	239-2220
		0,3 to 4 bar	239-2221
		0,7 to 9 bar	239-2222
	Gauge to max. 11 bar		214-215
	Gauge to max. 4 bar		214-220
	Adapter, port G1/8		239-2048
	Retaining clip		131-236

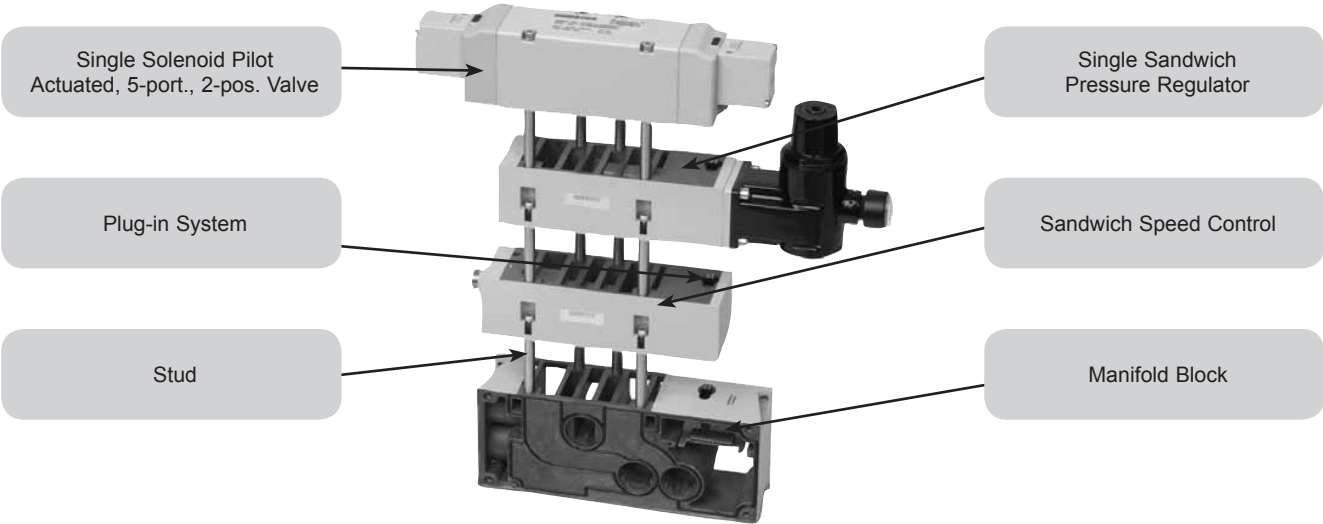


Spare Parts • Sandwich Components

Sandwich Speed Control

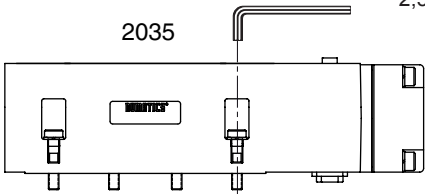
Sandwich speed control for valves and regulators is equipped with an integral plug-in system. Sandwich speed control provide a variable restriction in ports 3 and 5 in order to control the cylinders' extend and retract speed. To facilitate easy adjustment both screws are on the same side of the speed control.

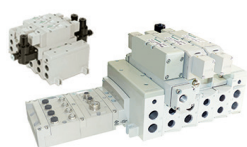
Note: Sandwich speed control can only be used with single sandwich pressure regulators.



Accessory	Description	Order code
	Sandwich speed control	239-2223
	Sandwich pressure block - Used to supply a separate pressure to a single valve station without needing blocking disks.	239-2228
	Sandwich exhaust block - Used to isolate the exhaust of a single valve station from the manifold. - Allows faster exhaust response by re-routing. - Exhaust externally to the manifold.	239-2230

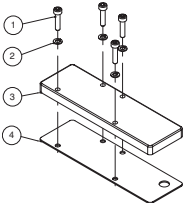
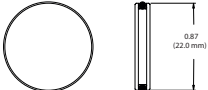
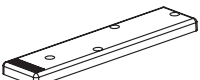
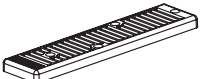
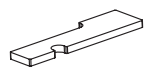
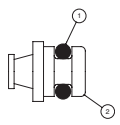
Assembly/disassembly of bar:
2,5 mm external hex key





2035 Series

Spare Parts

Accessory	Description		Order Code
	Blank station plate (screw, blank station plate, O-ring, gasket)		239-2218
	Blocking disks	for port 1, 3/5	239-2219
	Cover for end plate	screw	127-396
		cover	105-456
	Cover for end plate with muffler	screw	127-396
		cover	105-457
	Gasket for end plate cover		113-621
	Muffler for end plate cover		125-1098
	Plug for conversion of pilot supply		213-590

Spare Parts • End Plate Kits

2035 Series

End plate kit



End plate kits	Weight approx. [kg]	Order Code			
		Port Size	1 1/2	3/5 1/8	X/XE
End plates with muffler	2.050				239-2207
End plates without muffler	2.050				239-2208
LH ports with muffler, RH mounting cover with pilot exhaust	2.050				239-2215
LH ports without muffler, RH mounting cover with pilot exhaust	2.050				239-2216

On request: with NPTF thread



Spare Parts • Valves

Valve Model Number

35 3 BB 4 00 M 0 000 61

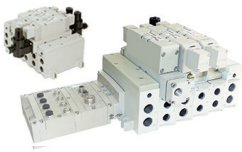
Series		Voltage
35 = 2035 Series		60 = 12 VDC
		61 = 24 VDC
		Options
		000 = Without option
		11B = Flush Locking Override
		11M = Without manual override
		Further options on request
		Port Type of Bases
		0 = Valve unit only
		Wiring Options
		M = Plug-in, DC with LED



Ribbon cable option must be used for manifold assemblies that exceed 16 solenoids. (7th and 8th digit of valve order code)

Symbols

	15/16... 05/12/35... BA4 5-port., 2-pos. valve, spring return		R5/R6... 05/12/35... BB6 5-port., 3-pos. valve, closed center
	15/16... 05/12/35... BB4 5-port., 2-pos. valve, detented		
	15/16... 05/12/35... BB5* 5-port., 3-pos. valve, open center, dual pressure		



2035 Series

Spare Parts • Sandwich Pressure Regulators

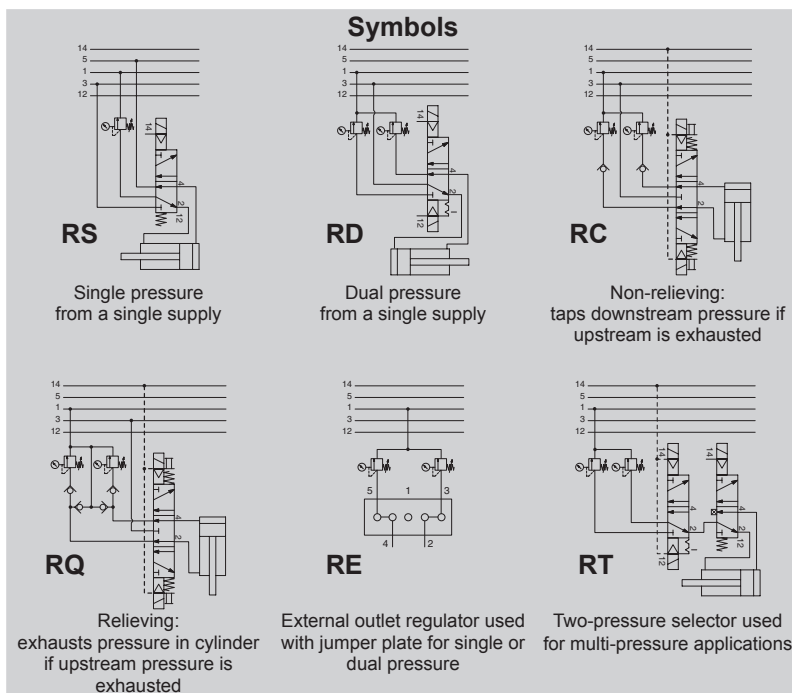
Sandwich Pressure Regulator Model Number

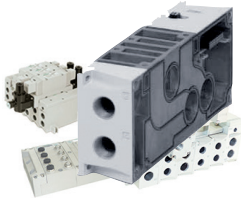
35 3 RS 1 00 J 0 000 00

Series	Options
35 = 2035 Series	000 = Standard 12H = Without gauge 16N = Jumper on 14 end 16P = Jumper on 12 end Further options on request
Port Size of Base	Port Type of Bases
3 = Valve w/o manifold	0 = Without base
Regulator Type	Wiring Option
RS = Single pressure to port 1 RD = Dual pressure to ports 3 and 5 RC = Dual pressure with non-relieving checks RQ = Dual pressure with relieving checks RE = Dual pressure to ports 4 and 2 RT = Two-pressure selector	J = Plug-in receptacle
Pressure Range	Mounting
1 = 0.7 to 9 bar 3 = 0.2 to 2 bar 4 = 0.5 to 4 bar	00 = Regulator unit only
	2035 X



**Ribbon cable option must be used for manifold assemblies that exceed 16 solenoids.
(7th and 8th digit of valve order code)**





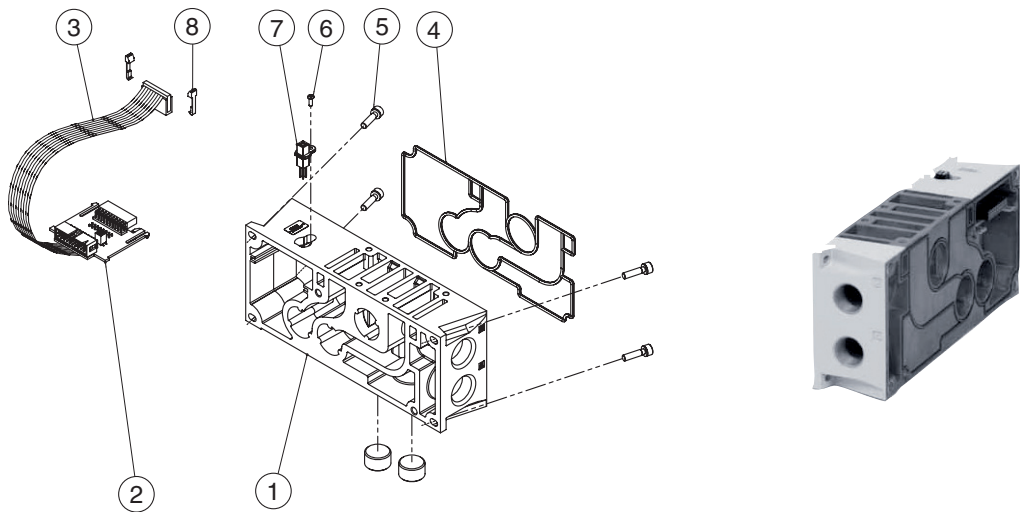
Spare Parts • Manifold Assembly Kits “Z-Boards”

“Z-Boards”

2035 Series includes 4 different “Z-Boards”™ for driving up to 32 solenoids of single and double solenoid actuated valves. Ribbon cable feature must be used for manifold assemblies that exceed 16 solenoids. In order to allow the full capacity of 32 solenoids, the assembly must be configured so that an even number of solenoids is utilised prior to the station using the ribbon cable feature.

Note: The 16th and 17th solenoid cannot be on the same valve.
(See valve model number selection for 7th and 8th digit for valve with 17th solenoid).

Manifold Assemblies



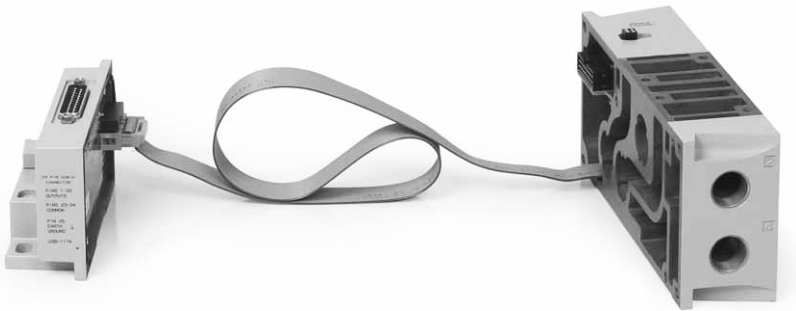
2035 Series

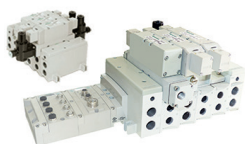
Manifold assemblies with side ports with bottom ports	Order Code G 1/2" G 3/8"	Order Code NPTF 1/2" NPTF 3/8"	Order Code G 3/8" G 3/8"	Order Code NPTF 3/8" NPTF 3/8"	Weight approx. [kg]
With single “Z-Board”™	206-1610	206-1608	206-1611	206-1609	0.640
With double “Z-Board”™	206-1614	206-1612	206-1615	206-1613	0.645
With single “Z-Board”™ and ribbon cable	206-1622	206-1620	206-1623	206-1621	0.690
With double “Z-Board”™ and ribbon cable	206-1618	206-1616	206-1619	206-1617	0.695

Ribbon cable for Valve Station with 17th Solenoid

Description	Order Code
-------------	------------

Ribbon cable 2035 239-2226



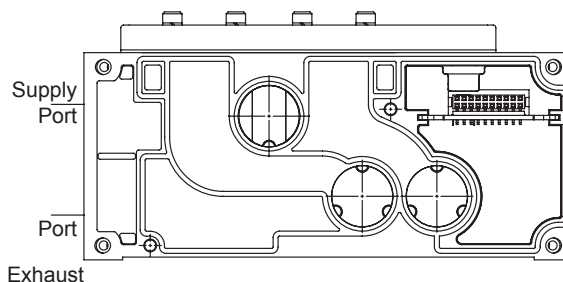
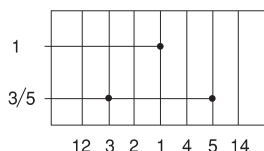


2035 Series

Spare Parts • Mid-Station Supply & Exhaust Block

Mid-Station Supply & Exhaust Block

- Add additional supply and exhaust capacity to large manifold assemblies
- Add different pressure to manifold section with use of blocking disks
- Same size as standard manifold block with blank station plate



2035 Series

Description	Weight approx. [kg]	Order Code
Mid-station supply & exhaust block	0.770	239-2225
On request: Threaded ports in NPTF		

Spare Parts • Conversion of Pilot Air Supply

Conversion of Pilot Air Supply

Manifolds can easily be converted from internal to external pilot supply.



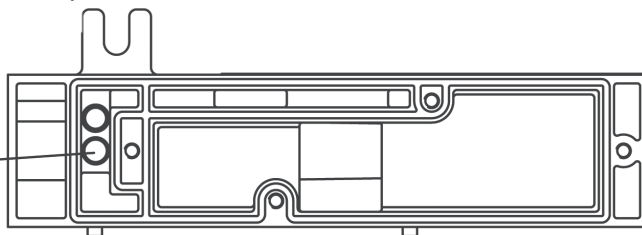
When converting from internal to external pilot supply, please ensure that the manifold is not pressurised, as pressure is applied to the end plate covers.

2035 Series



For external pilot supply
plug here.
Left end plate only!

For internal pilot supply
plug here.
Left end plate only!



	Plug for conversion of pilot supply	213-590
--	-------------------------------------	---------

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93