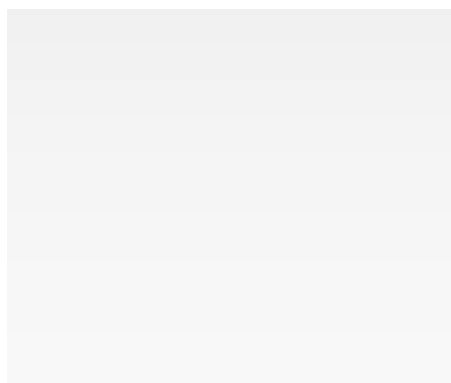


ACCESSORIES AND COMPONENTS

Valve



TECHNICAL DATA

The 4-way valves are designed to be installed in correspondence of the vacuum/pressure line of equipment typically used to clean sewer lines and cesspits. The 4-way valves allow reversing the vacuum pump air flow, thereby pressurising the vacuum tank. This way, the operations to the discharge the material from the tank are optimised.

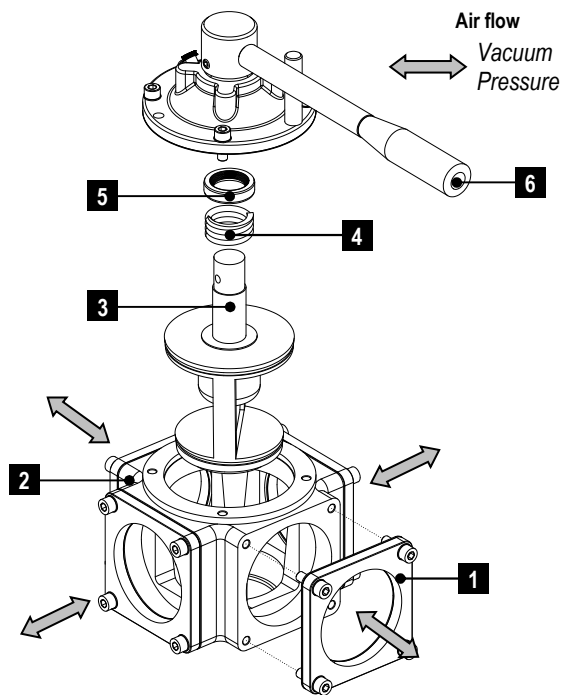
The 4-way valves can be **manual**, with manual actuation lever, or **pneumatic**, with pneumatic actuator. They are available with various diameters (2", 2½", 3", 4", 6" e 8"), each of which with cast iron deviator (typically suitable for vane decompressors) and bronze deviator (typically suitable for lobe decompressors).

The 4-way valves have different features, according to the diameter required. The 4-way valves can be divided into the following 8 categories:

- Manual 4-way valves with threaded manifold;
- 4-way valve with pneumatic actuator and threaded manifold;
- Manual 4-way valve without flanges;
- Manual 4-way valve with flanges;
- Manual 4-way valve with threaded flanges;
- 4-way valves with pneumatic actuator without flanges;
- 4-way valves with pneumatic actuator with flanges;
- 4-way valves with pneumatic actuator with threaded flanges.

The table in the following page shows in detail the available 4-type valves with respective identification code (in versions with cast iron and bronze inside valve).

The following figure shows a schematic diagram of a manual 4-way valve, highlighting the main components.



LEGEND

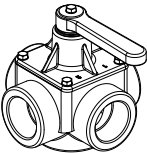
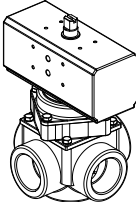
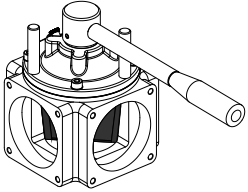
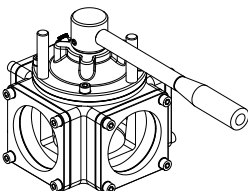
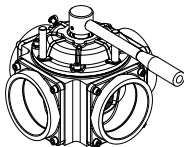
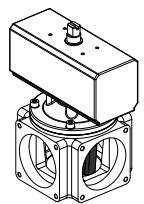
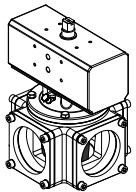
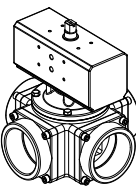
1	Flange	4	Spring
2	Valve body	5	Seal ring
3	Inside valve (Iron or bronze)	6	Actuation handle

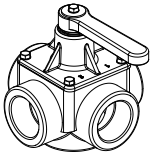
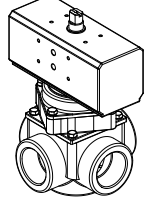
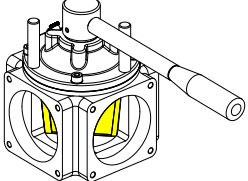
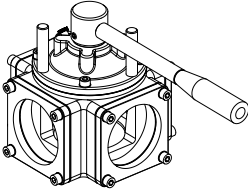
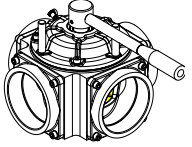
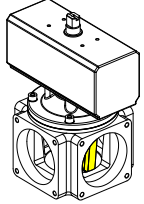
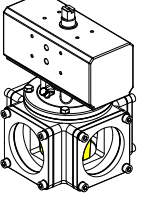
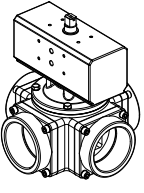
The following table shows the main operating parameters concerning maximum capacity and maximum pressure (relative) of the 4-way valves with respect to the available diameters.

OPERATING PARAMETERS

Parameter	2"	2" ½	3"	4"	6"	8"
DESIGN PRESSURE (RELATIVE)	-1 / +4 bar	-1 / +4 bar	-1 / +4 bar	-1 / +4 bar	-1 / +4 bar	-1 / +4 bar
MAX PNEUMATIC PRESSURE	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar

Note: the indicated maximum supply pneumatic pressure refers to 4-way valves equipped with pneumatic actuator.

Diameter		2"	2" 1/2	3"	4"	6"	8"
MANUAL 4-WAY VALVE WITH THREADED MANIFOLD (IRON)							
	thread	NPT	14881 000 00 (IRON)	14881 001 00 (IRON)			
		GAS	14881 064 00 (IRON)	14881 066 00 (IRON)			
4-WAY VALVE WITH PNEUMATIC ACTUATOR AND THREADED MANIFOLD (IRON)							
	thread	NPT	14881 BER B0 (IRON)	14881 034 00 (IRON)			
		GAS	14881 065 00 (IRON)	14881 067 00 (IRON)			
MANUAL 4-WAY VALVE WITHOUT FLANGES (IRON)							
				14881 062 00 (IRON)	14881 028 00 (IRON)	14881 021 00 (IRON)	14881 005 00 (IRON)
MANUAL 4-WAY VALVE WITH FLANGES (IRON)							
				14881 011 00 (IRON)	14881 030 00 (IRON)	14881 023 00 (IRON)	14881 015 00 (IRON)
MANUAL 4-WAY VALVE WITH THREADED FLANGES (IRON)							
	thread	NPT		14881 002 00 (IRON)	14881 032 00 (IRON)	14881 025 00 (IRON)	
		GAS		14881 068 00 (IRON)	14881 070 00 (IRON)	14881 072 00 (IRON)	
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITHOUT FLANGES (IRON)							
				14881 DAR B0 (IRON)	14881 029 00 (IRON)	14881 022 00 (IRON)	14881 BWP B0 (IRON)
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITH FLANGES (IRON)							
				14881 BNQ B0 (IRON)	14881 031 00 (IRON)	14881 024 00 (IRON)	14881 BXB B0 (IRON)
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITH FLANGES (IRON)							
	thread	NPT		14881 BRP B0 (IRON)	14881 033 00 (IRON)	14881 026 00 (IRON)	
		GAS		14881 069 00 (IRON)	14881 071 00 (IRON)	14881 073 00 (IRON)	

Diametro	2"	2" 1/2	3"	4"	6"	8"
MANUAL 4-WAY VALVE WITH THREADED MANIFOLD (BRONZE)						
	NPT thread	14881 036 00 (BRONZE)	14881 037 00 (BRONZE)			
4-WAY VALVE WITH PNEUMATIC ACTUATOR AND THREADED MANIFOLD (BRONZE)						
	NPT thread	14881 038 00 (BRONZE)	14881 039 00 (BRONZE)			
MANUAL 4-WAY VALVE WITHOUT FLANGES (BRONZE)						
				14881 040 00 (BRONZE)	14881 044 00 (BRONZE)	14881 048 00 (BRONZE) 14881 052 00 (BRONZE)
MANUAL 4-WAY VALVE WITH FLANGES (BRONZE)						
				14881 041 00 (BRONZE)	14881 045 00 (BRONZE)	14881 049 00 (BRONZE) 14881 053 00 (BRONZE)
MANUAL 4-WAY VALVE WITH THREADED FLANGES (BRONZE)						
	NPT thread GAS			14881 056 00 (BRONZE) (SPECIFY NPT O GAS)	14881 058 00 (BRONZE) 14881 074 00 (BRONZE)	14881 060 00 (BRONZE) 14881 076 00 (BRONZE)
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITHOUT FLANGES (BRONZE)						
				14881 042 00 (BRONZE)	14881 046 00 (BRONZE)	14881 050 00 (BRONZE) 14881 054 00 (BRONZE)
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITH FLANGES (BRONZE)						
				14881 043 00 (BRONZE)	14881 047 00 (BRONZE)	14881 051 00 (BRONZE) 14881 055 00 (BRONZE)
4-WAY VALVES WITH PNEUMATIC ACTUATOR WITH THREADED FLANGES (BRONZE)						
	NPT thread GAS			14881 057 00 (BRONZE) (SPECIFICARE NPT O GAS)	14881 059 00 (BRONZE) 14881 075 00 (BRONZE)	14881 061 00 (BRONZE) 14881 077 00 (BRONZE)

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