

CATÁLOGO DE PRODUTOS LINHA PNEUMÁTICA

CILINDROS E ACESSÓRIOS



PREPARAÇÃO DE AR



VÁLVULAS SOLENÓIDES



VÁLVULAS MECÂNICAS



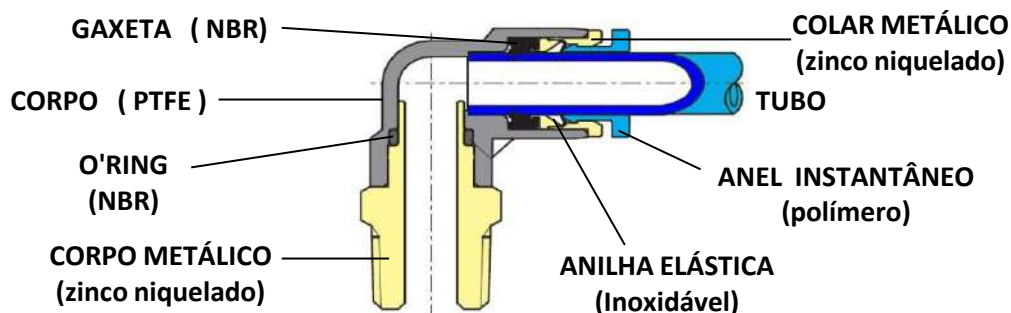
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CONEXÕES INSTANTÂNEAS

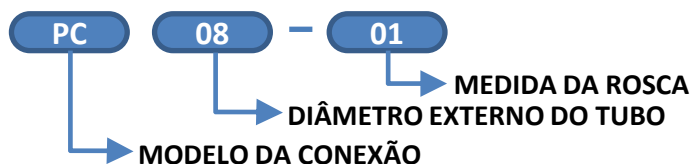
DIAGRAMA ESTRUTURAL



ESPECIFICAÇÕES

FLUIDO	AR
PRESSÃO MÁXIMA DE TRABALHO	10 bar
PRESSÃO NEGATIVA	-0,9 bar
TEMPERATURA DE TRABALHO	0 a 60 °C

SISTEMA DE CODIFICAÇÃO



TUBO MÉTRICO							ROSCA MÉTRICA		ROSCA (CILINDRICA OU CÔNICA)*			
CÓDIGO	04	06	08	10	12	16	M5	M6	01	02	03	04
MEDIDA	Ø 4	Ø 6	Ø 8	Ø 10	Ø 12	Ø 16	M5X0,8	M6X1,0	Ø 1/8	Ø 1/4	Ø 3/8	Ø 1/2

TUBO POLEGADA							ROSCA (CÔNICA)*			
CÓDIGO	5/32	3/16	1/4	5/16	3/8	1/2	N1	N2	N3	N4
MEDIDA	Ø 5/32	Ø 3/16	Ø 1/4	Ø 5/16	Ø 3/8	Ø 1/2	1/8	1/4	3/8	1/2

* Rosca cilíndrica (BSP) vedação o'ring. Rosca cônica (NPT) vedação teflon.

CONEXÕES - ROSCA BSP

CONECTOR MACHO	PC		COTOVELO MACHO	PL	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	PC 04-G01	PC 10-G01		PL 04-G01	PL 10-G01
	PC 04-G02	PC 10-G02		PL 04-G02	PL 10-G02
	PC 06-G01	PC 10-G03		PL 06-G01	PL 10-G03
	PC 06-G02	PC 10-G04		PL 06-G02	PL 10-G04
	PC 06-G03	PC 12-G02		PL 06-G03	PL 12-G02
	PC 06-G04	PC 12-G03		PL 06-G04	PL 12-G03
	PC 08-G01	PC 12-G04		PL 08-G01	PL 12-G04
	PC 08-G02	PC 16-G03		PL 08-G02	PL 16-G03
	PC 08-G03	PC 16-G04		PL 08-G03	PL 16-G04
	PC 08-G04			PL 08-G04	

RETA C/ SEXT. INTERNO	POC		COTOV. MACHO LONGO	PLL	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	POC 04-G01	POC 08-G04		PLL 04-G01	PLL 08-G04
	POC 04-G02	POC 10-G01		PLL 04-G02	PLL 10-G01
	POC 04-G03	POC 10-G02		PLL 04-G03	PLL 10-G02
	POC 06-G01	POC 10-G03		PLL 06-G01	PLL 10-G03
	POC 06-G02	POC 10-G04		PLL 06-G02	PLL 10-G04
	POC 06-G03	POC 12-G02		PLL 06-G03	PLL 12-G02
	POC 06-G04	POC 12-G03		PLL 06-G04	PLL 12-G03
	POC 08-G01	POC 12-G04		PLL 08-G01	PLL 12-G04
	POC 08-G02	POC 16-G03		PLL 08-G02	PLL 16-G03
	POC 08-G03	POC 16-G04		PLL 08-G03	PLL 16-G04

T MACHO CENTRAL.	PT		T MACHO LATERAL	PST	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	PT 04-G01	PT 10-G01		PST 04-G01	PST 10-G01
	PT 04-G02	PT 10-G02		PST 04-G02	PST 10-G02
	PT 06-G01	PT 10-G03		PST 06-G01	PST 10-G03
	PT 06-G02	PT 10-G04		PST 06-G02	PST 10-G04
	PT 06-G03	PT 12-G02		PST 06-G03	PST 12-G02
	PT 06-G04	PT 12-G03		PST 06-G04	PST 12-G03
	PT 08-G01	PT 12-G04		PST 08-G01	PST 12-G04
	PT 08-G02	PT 16-G03		PST 08-G02	
	PT 08-G03	PT 16-G04		PST 08-G03	
	PT 08-G04			PST 08-G04	

CONEXÕES - ROSCA BSP

Y MACHO	PWT		DISTRIB. M. C/ REDUÇÃO	PKD	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	PWT 04-G01	PWT 10-G01		PKD 06-04-G01	PKD 08-06-G02
	PWT 04-G02	PWT 10-G02		PKD 08-04-G02	PKD 10-08-G03
	PWT 06-G01	PWT 10-G03			
	PWT 06-G02	PWT 10-G04			
	PWT 06-G03	PWT 12-G02			
	PWT 06-G04	PWT 12-G03			
	PWT 08-G01	PWT 12-G04			
	PWT 08-G02				
	PWT 08-G03				
	PWT 08-G04				

BANJO	PH		BANJO FEMEA	PHF	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	PH 04-G01	PH 08-G03		PHF 04-G01	PHF 08-G03
	PH 06-G01	PH 10-G02		PHF 06-G01	PHF 10-G02
	PH 06-G02	PH 10-G03		PHF 06-G02	PHF 10-G03
	PH 08-G01	PH 12-G03		PHF 08-G01	PHF 12-G03
	PH 08-G02	PH 12-G04		PHF 08-G02	PHF 12-G04

CONECTOR FÊMEA	PCF		COTOV. FÊMEA	PLF	
	TUBO (MÉTRICO)	ROSCA (BSP)		TUBO (MÉTRICO)	ROSCA (BSP)
	PCF 04-G01	PCF 08-G04		PLF 04-G01	PLF 08-G04
	PCF 04-G02	PCF 10-G01		PLF 04-G02	PLF 10-G01
	PCF 06-G01	PCF 10-G02		PLF 06-G01	PLF 10-G02
	PCF 06-G02	PCF 10-G03		PLF 06-G02	PLF 10-G03
	PCF 06-G03	PCF 10-G04		PLF 06-G03	PLF 10-G04
	PCF 08-G01	PCF 12-G02		PLF 08-G01	PLF 12-G02
	PCF 08-G02	PCF 12-G03		PLF 08-G02	PLF 12-G03
	PCF 08-G03	PCF 12-G04		PLF 08-G03	PLF 12-G04

CONEXÕES - ROSCA NPT

CONECTOR MACHO	PC					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PC 04-M5	PC 06-03	PC 10-03	PC 5/32-U	PC 1/4-U	PC 3/8-N1
	PC 04-M6	PC 06-04	PC 10-04	PC 5/32-N1	PC 1/4-N1	PC 3/8-N2
	PC 04-01	PC 08-01	PC 12-02	PC 5/32-N2	PC 1/4-N2	PC 3/8-N3
	PC 04-02	PC 08-02	PC 12-03	PC 3/16-U	PC 1/4-N3	PC 3/8-N4
	PC 06-M5	PC 08-03	PC 12-04	PC 3/16-N1	PC 5/16-N1	PC 1/2-N2
	PC 06-M6	PC 08-04	PC 16-03	PC 3/16-N2	PC 5/16-N2	PC 1/2-N3
	PC 06-01	PC 10-01	PC 16-04	PC 3/16-N3	PC 5/16-N3	PC 1/2-N4
	PC 06-02	PC 10-02				

RETA C/ SEXT. INTERNO	POC					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	POC 04-M5	POC 06-02	POC 10-02	POC 1/8-U	POC 3/16-N2	POC 5/16-N3
	POC 04-M6	POC 06-03	POC 10-03	POC 1/8-N1	POC 3/16-N3	POC 3/8-N1
	POC 04-01	POC 06-04	POC 10-04	POC 1/8-N2	POC 1/4-U	POC 3/8-N2
	POC 04-02	POC 08-01	POC 12-02	POC 5/32-U1	POC 1/4-N1	POC 3/8-N3
	POC 04-03	POC 08-02	POC 12-03	POC 5/32-N1	POC 1/4-N2	POC 3/8-N4
	POC 06-M5	POC 08-03	POC 12-04	POC 5/32-N2	POC 1/4-N3	POC 1/2-N2
	POC 06-M6	POC 08-04	POC 16-03	POC 3/16-U1	POC 5/16-N1	POC 1/2-N3
	POC 06-01	POC 10-01	POC 16-04	POC 3/16-N1	POC 5/16-N2	POC 1/2-N4

CONECTOR FÊMEA	PCF					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PCF 04-01	PCF 08-02	PCF 10-04	PCF 5/32-N1	PCF 1/4-N2	PCF 3/8-N2
	PCF 04-02	PCF 08-03	PCF 12-02	PCF 5/32-N2	PCF 5/16-N1	PCF 3/8-N3
	PCF 06-01	PCF 08-04	PCF 12-03	PCF 3/16-N1	PCF 5/16-N2	PCF 1/2-N2
	PCF 06-02	PCF 10-01	PCF 12-04	PCF 3/16-N2	PCF 5/16-N3	PCF 1/2-N3
	PCF 06-03	PCF 10-02		PCF 1/4-N1		
	PCF 08-01	PCF 10-03				

COTOVELO MACHO	PL					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PL 04-M5	PL 06-03	PL 10-03	PL 5/32-U	PL 1/4-N1	PL 3/8-N3
	PL 04-M6	PL 06-04	PL 10-04	PL 5/32-N1	PL 1/4-N2	PL 3/8-N4
	PL 04-01	PL 08-01	PL 12-02	PL 5/32-N2	PL 1/4-N3	PL 1/2-N2
	PL 04-02	PL 08-02	PL 12-03	PL 3/16-U	PL 5/16-N1	PL 1/2-N3
	PL 06-M5	PL 08-03	PL 12-04	PL 3/16-N1	PL 5/16-N2	PL 1/2-N4
	PL 06-M6	PL 08-04	PL 16-03	PL 3/16-N2	PL 5/16-N3	
	PL 06-01	PL 10-01	PL 16-04	PL 3/16-N3	PL 3/8-N1	
	PL 06-02	PL 10-02		PL 1/4-U	PL 3/8-N2	

CONEXÕES - ROSCA NPT

T MACHO CENTRAL	PT					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PT 04-M5	PT 06-03	PT 10-03	PT 5/32-U	PT 1/4-N1	PT 3/8-N2
	PT 04-M6	PT 06-04	PT 10-04	PT 5/32-N1	PT 1/4-N2	PT 3/8-N3
	PT 04-01	PT 08-01	PT 12-02	PT 5/32-N2	PT 1/4-N3	PT 3/8-N4
	PT 04-02	PT 08-02	PT 12-03	PT 3/16-U	PT 5/16-N1	PT 1/2-N2
	PT 06-M5	PT 08-03	PT 12-04	PT 3/16-N1	PT 5/16-N2	PT 1/2-N3
	PT 06-M6	PT 08-04	PT 16-03	PT 3/16-N2	PT 5/16-N3	PT 1/2-N4
	PT 06-01	PT 10-01	PT 16-04	PT 3/16-N3	PT 3/8-N1	
	PT 06-02	PT 10-02		PT 1/4-U		

T MACHO LATERAL	PST					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PST 04-M5	PST 06-02	PST 10-01	PST 5/32-U	PST 1/4-U	PST 3/8-N1
	PST 04-M6	PST 06-03	PST 10-02	PST 5/32-N1	PST 1/4-N1	PST 3/8-N2
	PST 04-01	PST 06-04	PST 10-03	PST 5/32-N2	PST 1/4-N2	PST 3/8-N3
	PST 04-02	PST 08-01	PST 10-04	PST 3/16-U	PST 1/4-N3	PST 3/8-N4
	PST 06-M5	PST 08-02	PST 12-02	PST 3/16-N1	PST 5/16-N1	PST 1/2-N2
	PST 06-M6	PST 08-03	PST 12-03	PST 3/16-N2	PST 5/16-N2	PST 1/2-N3
	PST 06-01	PST 08-04	PST 12-04	PST 3/16-N3	PST 5/16-N3	PST 1/2-N4

Y MACHO	PWT					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PWT 04-M5	PWT 06-02	PWT 10-01	PWT 5/32-U	PWT 1/4-U	PWT 3/8-N1
	PWT 04-M6	PWT 06-03	PWT 10-02	PWT 5/32-N1	PWT 1/4-N1	PWT 3/8-N2
	PWT 04-01	PWT 06-04	PWT 10-03	PWT 5/32-N2	PWT 1/4-N2	PWT 3/8-N3
	PWT 04-02	PWT 08-01	PWT 10-04	PWT 3/16-U	PWT 1/4-N3	PWT 3/8-N4
	PWT 06-M5	PWT 08-02	PWT 12-02	PWT 3/16-N1	PWT 5/16-N1	PWT 1/2-N2
	PWT 06-M6	PWT 08-03	PWT 12-03	PWT 3/16-N2	PWT 5/16-N2	PWT 1/2-N3
	PWT 06-01	PWT 08-04	PWT 12-04	PWT 3/16-N3	PWT 5/16-N3	PWT 1/2-N4

BANJO	PH					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PH 04-M5	PH 06-02	PH 10-02	PH 5/32-U	PH 1/4-N1	PH 3/8-N2
	PH 04-M6	PH 06-03	PH 10-03	PH 5/32-N1	PH 1/4-N2	PH 3/8-N3
	PH 04-01	PH 08-01	PH 10-04	PH 3/16-U	PH 5/16-N1	PH 1/2-N3
	PH 04-02	PH 08-02	PH 12-02	PH 3/16-N1	PH 5/16-N2	PH 1/2-N4
	PH 06-M5	PH 08-03	PH 12-03	PH 3/16-N2	PH 5/16-N3	
	PH 06-M6	PH 08-04	PH 12-04			
	PH 06-01					

CONEXÕES - ROSCA NPT

BANJO FEMEA	PHF					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PHF 04-M5	PHF 06-02	PHF 10-02	PHF 5/32-U	PHF 1/4-N1	PHF 3/8-N2
	PHF 04-M6	PHF 06-03	PHF 10-03	PHF 5/32-N1	PHF 1/4-N2	PHF 3/8-N3
	PHF 04-01	PHF 08-01	PHF 10-04	PHF 3/16-U	PHF 5/16-N1	PHF 1/2-N3
	PHF 04-02	PHF 08-02	PHF 12-02	PHF 3/16-N1	PHF 5/16-N2	PHF 1/2-N4
	PHF 06-M5	PHF 08-03	PHF 12-03	PHF 3/16-N2	PHF 5/16-N3	
	PHF 06-M6	PHF 08-03	PHF 12-04			
	PHF 06-01	PHF 08-04				

COTOV. FÊMEA	PLF					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PLF 04-M5	PLF 06-02	PLF 10-02	PLF 5/32-N1	PLF 1/4-N2	PLF 3/8-N2
	PLF 04-M6	PLF 06-03	PLF 10-03	PLF 3/16-N1	PLF 5/16-N1	PLF 3/8-N3
	PLF 04-01	PLF 08-01	PLF 10-04	PLF 3/16-N2	PLF 5/16-N2	PLF 1/2-N3
	PLF 04-02	PLF 08-02	PLF 12-02	PLF 1/4-N1	PLF 5/16-N3	PLF 1/2-N4
	PLF 06-M5	PLF 08-03	PLF 12-03			
	PLF 06-M6	PLF 08-04	PLF 12-04			
	PLF 06-01	PLF 10-01				

COTOV. MACHOLONGO	PLL					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PLL 04-M5	PLL 06-02	PLL 10-01	PLL 5/32-U	PLL 1/4-N2	PLL 3/8-N3
	PLL 04-M6	PLL 06-03	PLL 10-02	PLL 5/32-N1	PLL 1/4-N3	PLL 3/8-N4
	PLL 04-01	PLL 06-04	PLL 10-03	PLL 3/16-N1	PLL 5/16-N1	PLL 1/2-N2
	PLL 04-02	PLL 08-01	PLL 10-04	PLL 3/16-N2	PLL 5/16-N2	PLL 1/2-N3
	PLL 06-M5	PLL 08-02	PLL 12-02	PLL 3/16-N3	PLL 5/16-N3	PLL 1/2-N4
	PLL 06-M6	PLL 08-03	PLL 12-03	PLL 1/4-N1	PLL 3/8-N2	
	PLL 06-01	PLL 08-04	PLL 12-04			

UNIÕES

UNIÃO RETA	PUC TUBO		UNIÃO EM "L"	PUL TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PUC 04	PUC 5/32		PUL 04	PUL 5/32
	PUC 06	PUC 3/16		PUL 06	PUL 3/16
	PUC 08	PUC 1/4		PUL 08	PUL 1/4
	PUC 10	PUC 5/16		PUL 10	PUL 5/16
	PUC 12	PUC 3/8		PUL 12	PUL 3/8
	PUC 16	PUC 1/2		PUL 16	PUL 1/2

UNIÃO EM "T"	PUT TUBO		UNIÃO EM "Y"	PY TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PUT 04	PUT 5/32		PY 04	PY 5/32
	PUT 06	PUT 3/16		PY 06	PY 3/16
	PUT 08	PUT 1/4		PY 08	PY 1/4
	PUT 10	PUT 5/16		PY 10	PY 5/16
	PUT 12	PUT 3/8		PY 12	PY 3/8
	PUT 16	PUT 1/2			PY 1/2

CRUZETA UNIÃO	PZA TUBO		UNIÃO P/ PAINEL	PMM TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PZA 04	PZA 5/32		PMM 04	PMM 5/32
	PZA 06	PZA 3/16		PMM 06	PMM 3/16
	PZA 08	PZA 1/4		PMM 08	PMM 1/4
	PZA 10	PZA 5/16		PMM 10	PMM 5/16
	PZA 12	PZA 3/8		PMM 12	PMM 3/8
		PZA 1/2			PMM 1/2

UNIÃO P/ PAINEL FÊMEA	PMF					
	TUBO (MÉTRICO) - ROSCA (NPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	PMF 04-01	PMF 08-02	PMF 10-03	PMF 5/32-N1	PMF 1/4-N2	PMF 3/8-N2
	PMF 04-02	PMF 08-03	PMF 10-04	PMF 3/16-N1	PMF 5/16-N1	PMF 3/8-N3
	PMF 06-01	PMF 08-04	PMF 12-02	PMF 3/16-N2	PMF 5/16-N2	PMF 1/2-N3
	PMF 06-02	PMF 10-01	PMF 12-03	PMF 1/4-N1	PMF 5/16-N3	PMF 1/2-N4
	PMF 06-03	PMF 10-02	PMF 12-04			
	PMF 08-01					

REDUÇÕES

UNIÃO REDUTORA	PG		"Y" REDUÇÃO	PW	
	TUBO (ØD1 - ØD2)			TUBO (ØD1 - ØD2)	
ØD1  ØD2	MÉTRICO	POLEGADA	ØD1  ØD2	MÉTRICO	POLEGADA
	PG 06-04	PG 3/16-5/32		PW 06-04	PW 3/16-5/32
	PG 08-06	PG 1/4-5/32		PW 08-06	PW 1/4-5/32
	PG 10-06	PG 1/4-3/16		PW 10-08	PW 1/4-3/16
	PG 10-08	PG 5/16-1/4		PW 12-10	PW 5/16-1/4
	PG 12-08	PG 3/8-5/16			PW 3/8-5/16
	PG 12-10	PG 1/2-3/8			PW 1/2-3/8
	PG 16-12				

"T" REDUTOR CENTRAL	PUG		REDUTOR DE MEDIDA	PGJ	
	TUBO (ØD1 - ØD2)			TUBO (ØD1 - ØD2)	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PUG 06-04	PUG 1/4-5/32		PGJ 06-04	PGJ 1/4-5/32
	PUG 08-06	PUG 5/16-1/4		PGJ 08-04	PGJ 5/16-5/32
	PUG 10-08	PUG 3/8-5/16		PGJ 08-06	PGJ 5/16-1/4
	PUG 12-10	PUG 1/2-3/8		PGJ 10-06	PGJ 3/8-1/4
	PUG 16-12			PGJ 10-08	PGJ 3/8-5/16
				PGJ 12-06	PGJ 1/2-1/4
				PGJ 12-08	PGJ 1/2-5/16
				PGJ 12-10	PGJ 1/2-3/8

TAMPÃO	PP	
	TUBO	
	MÉTRICO	POLEGADA
	PP 04	PP 5/32
	PP 06	PP 3/16
	PP 08	PP 1/4
	PP 10	PP 5/16
	PP 12	PP 3/8
	PP 16	PP 1/2

ADAPTADORES

COTOVELO ADAPTADOR	PLJ TUBO		“Y” ADAPTADOR	PYJ TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PLJ 04	PLJ 5/32		PYJ 04	PYJ 5/32
	PLJ 06	PLJ 3/16		PYJ 06	PYJ 3/16
	PLJ 08	PLJ 1/4		PYJ 08	PYJ 1/4
	PLJ 10	PLJ 5/16		PYJ 10	PYJ 5/16
	PLJ 12	PLJ 3/8		PYJ 12	PYJ 3/ 8
		PLJ 1/2			PYJ 1/2

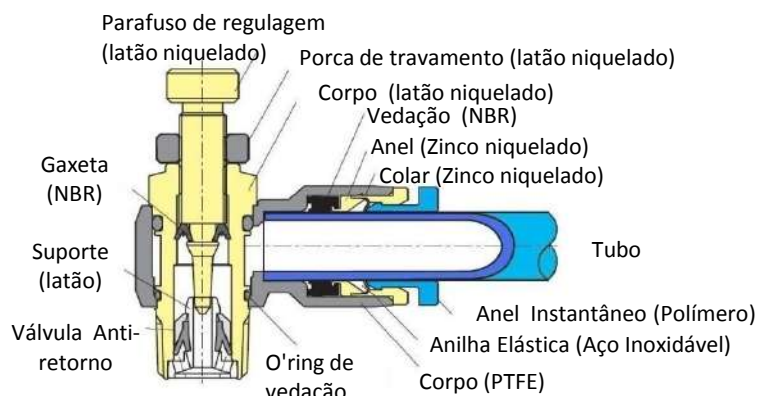
PINO P/ EMENDA	PIJ TUBO		PINO C/ REDUÇÃO	PIG TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PIJ 04	PIJ 5/32		PIG 06-04	PIG 3/16-5/32
	PIJ 06	PIJ 3/16		PIG 08-06	PIG 1/4-5/32
	PIJ 08	PIJ 1/4		PIG 10-08	PIG 1/4-3/16
	PIL 10	PIJ 5/16		PIG 12-10	PLG 5/16-1/4
	PIJ 12	PIJ 3/8		PIG 16-12	PIG 3/8-5/16
	PIJ 16	PIJ 1/2			PIG 1/2-3/8

DISTRIB. MACHO C/ RED.	PKD TUBO		DISTRIBUIDOR EMENDA	PK TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PKD 06-04-01	PKD 3/16-5/32N1		PK 04	PK 5/32
	PKD 08-04-02	PKD 1/4-5/32-N1		PK 06	PK 3/16
	PKD 08-06-02	PKD 5/16-5/32-N2		PK 08	PK 1/4
	PKD 10-08-03	PKD 5/16-3/16-N2			PK 5/16
		PKD 5/16-1/4-N2			
		PKD 3/8-5/16-N3			

DISTR. EMENDA C/ RED.	PKG TUBO		DISTR. EMENDA C/ RED.	PKJ TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	POLEGADA
	PKG 06-04	PKG 3/16-5/32		PKJ 06-04	PKJ 3/16-5/32
	PKG 08-04	PKG 1/4-5/32		PKJ 08-04	PKJ 1/4-5/32
	PKG 08-06	PKG 5/16-5/32		PKJ 08-06	PKJ 5/16-5/32
	PKG 10-06	PKG 5/16-3/16		PKJ 10-06	PKJ 5/16-3/16
	PKG 10-08	PKG 5/16-1/4		PKJ 10-08	PKJ 5/16-1/4
		PKG 3/8-1/4			PKJ 3/8-1/4

REGULADORES DE FLUXO

DIAGRAMA ESTRUTURAL

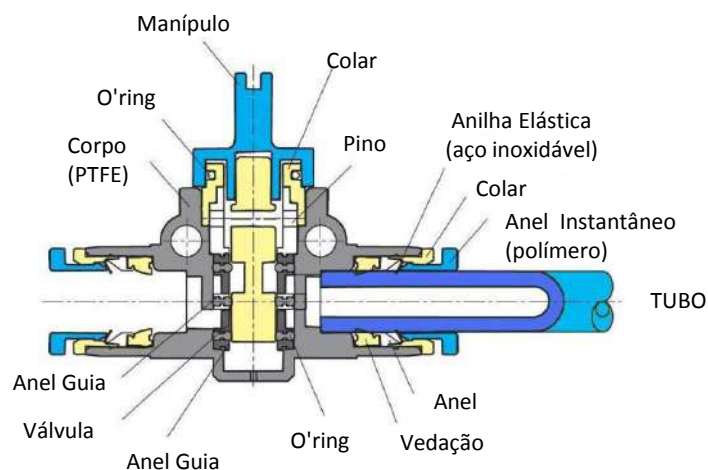


REGULADOR DE FLUXO NPT	NSE					
	TUBO (MÉTRICO) - ROSCA (R/BSPT)			TUBO (POLEGADA) - ROSCA (NPT)		
	NSE 04-M5	NSE 06-04	NSE 10-02	NSE 5/32-U	NSE 1/4-N1	NSE 3/8-N2
	NSE 04-01	NSE 08-01	NSE 10-03	NSE 5/32-N1	NSE 1/4-N2	NSE 3/8-N3
	NSE 04-02	NSE 08-02	NSE 10-04	NSE 3/16-U	NSE 1/4-N3	NSE 3/8-N4
	NSE 06-M5	NSE 08-03	NSE 12-02	NSE 3/16-N1	NSE 5/16-N1	NSE 1/2-N3
	NSE 06-01	NSE 08-04	NSE 12-03	NSE 3/16-N2	NSE 5/16-N2	NSE 1/2-N4
	NSE 06-02	NSE 10-01	NSE 12-04	NSE 3/16-N3	NSE 5/16-N3	
	NSE 06-03			NSE 1/4-U	NSE 5/16-N4	

REGULADOR DE FLUXO TUBO X TUBO	NSF TUBO		REGULADOR DE FLUXO BSP	NSE-G TUBO	
	MÉTRICO	POLEGADA		MÉTRICO	
	NSF 04	NSF 5/32		NSE 04-G01	NSE 08-G04
	NSF 06	NSF 3/16		NSE 04-G02	NSE 10-G01
	NSF 08	NSF 1/4		NSE 06-G01	NSE 10-G02
	NSF 10	NSF 5/16		NSE 06-G02	NSE 10-G03
	NSF 12	NSF 3/8		NSE 06-G03	NSE 10-G04
		NSF 1/2		NSE 06-G04	NSE 12-G02
				NSE 08-G01	NSE 12-G03
				NSE 08-G02	NSE 12-G04
				NSE 08-G03	

REGULADOR DE FLUXO ROSCA X ROSCA	CÓDIGO	ROSCA
	ASC-06	1/8"
	ASC-08	1/4"
	ASC-10	3/8"
	ASC-15	1/2"

DIAGRAMA ESTRUTURAL



VÁLVULA TUBO X TUBO	HVFF TUBO MÉTRICO	VÁLVULA ROSCA X ROSCA	HVSS ROSCA (BSPT)
	HVFF 06-06		HVSS 01-01
	HVFF 08-06		HVSS 02-01
	HVFF 08-08		HVSS 02-02
	HVFF 10-08		HVSS 03-02
	HVFF 10-10		HVSS 03-03
	HVFF 12-10		HVSS 04-03
	HVFF 12-12		HVSS 04-04

VÁLVULA ROSCA X TUBO	HVSF TUBO MÉTRICO - ROSCA (BSPT)	VÁLVULA TUBO X ROSCA	HVFS TUBO MÉTRICO - ROSCA (BSPT)
	HVSF 01-06		HVFS 06-01
	HVSF 02-06		HVFS 10-02
	HVSF 03-06		HVFS 10-03
	HVSF 04-10		HVFS 10-04
	HVSF 01-08		HVFS 12-02
	HVSF 02-08		HVFS 12-03
	HVSF 03-08		HVFS 12-04
	HVSF 04-12		

SILENCIADORES / TUBOS

SILENCIADOR DE LATÃO	BSL	SILENCIADOR DE LATÃO MINI	BSLM
	ROSCA (BSPT)		ROSCA (BSPT)
	BSL M5		BSLM 01
	BSL 01		BSLM 02
	BSL 02		BSLM 03
	BSL 03		BSLM 04
	BSL 04		BSLM 06
	BSL 06		BSLM 08
	BSL 08		

REGULADOR DE EXAUSTÃO	BESL	SILENCIADOR PLÁSTICO	PSL
	ROSCA (BSPT)		ROSCA (BSPT)
	BESL 01		PSL 01
	BESL 02		PSL 02
	BESL 03		PSL 03
	BESL 04		PSL 04
	BESL 06		PSL 06
	BESL 08		PSL 08

TUBOS DE POLIURETANO	CÓDIGO	MEDIDA
	PU - 4	Ø 4,0 X 2,5
	PU - 6	Ø 6,0 X 4,0
	PU - 8	Ø 8,0 X 5,5
	PU - 10	Ø 10,0 X 7,0
	PU - 12	Ø 12,0 X 8,0
	PU - 14	Ø 14,0 X 11,0
	PU - 16	Ø 16,0 X 11,0
	PU - 1/4	Ø 6,35 X 4,35
	PU - 3/8	Ø 9,53 X 6,35
	PU - 1/2	Ø 12,7 X 9,53
Pressão Máx.: 10 bar Temp.: -35 a 60 °C		

TUBOS DE NYLON	CÓDIGO	MEDIDA
	PA06 - 1/4	Ø 6,35 X 4,35
	PA06 - 3/8	Ø 9,53 X 6,35
	PA06 - 1/2	Ø 12,0 X 9,53
	PA06 - 4 X 2	Ø 4,0 X 2,0
	PA06 - 6 X 4	Ø 6,0 X 4,0
	PA06 - 8 X 5	Ø 8,0 X 5,0
	PA06 - 10 X 7	Ø 10,0 X 7,0
	PA06 - 12 X 9	Ø 12,0 X 9,0
	PA06 - 16 X 12	Ø 16,0 X 12,0
Pressão Máx.: 10 bar Temp.: -10 a 80 °C		

VÁLVULAS SOLENÓIDES

ESPECIFICAÇÕES	
FLUIDO	AR FILTRADO
PRESSÃO DE TRABALHO	1,5 a 8 bar
PRESSÃO MÁXIMA	12 bar
TEMPERATURA DE TRABALHO	0 a 60 °C

SISTEMA DE CODIFICAÇÃO

4V

2

10

-

08

AC110

MODELO

SOLENÓIDE
4V: 5/2 VIAS
5/3 VIAS
3V: 3/2 VIAS

SÉRIE

1: 100
2: 200
3: 300
4: 400

ACIONAMENTO

10 : 1 SOLENÓIDE
20: 2 SOLENÓIDES

ROSCA

06 : 1/8"
08: 1/4"
10: 3/8"
15: 1/2"

TENSÃO

DC 12V
DC 24V
AC 24V 50Hz 60Hz
AC 110V 50Hz 60Hz
AC 220V 50Hz 60Hz
AC 380V 50Hz 60Hz



3V210-08



4V210-08



4V220-08

Coeficiente de vazão (Cv) : 0,89



3V310-10



4V310-08



4V320-10

Coeficiente de vazão (Cv) : 1,68

VÁLVULAS SOLENÓIDES



3V410-15



4V420-15



4V410-15

Coeficiente de vazão (Cv) : 2,79



3V1-06-4F



3V1-06



3V1-06-2F

Coeficiente de vazão (Cv) : 0,06

CONJUNTO CONECTOR BOBINA



TENSÃO

DC 12V

DC 24V

AC 24V 50Hz 60Hz

AC 110V 50Hz 60Hz

AC 220V 50Hz 60Hz

AC 380V 50Hz 60Hz

SISTEMA DE CODIFICAÇÃO

4A

2

10

-

08

MODELO

PNEUMÁTICA
5/2 VIAS

SÉRIE

2 : 200
3 : 300

ACIONAMENTO

10 : 1 PILOTO
20 : 2 PILOTOS

ROSCA

06 : 1/8"
08 : 1/4"



4A210-06



4A220-08

Coeficiente de vazão (Cv) : 0,89

BLOCO MANIFOLD	MODELO	QUANTIDADE VÁLVULAS
	200M-2F	2
	300M-2F	2
	400M-2F	2
	200M-4F	4
	300M-4F	4
	400M-4F	4
	200M-6F	6
	300M-6F	6
	400M-6F	6
	200M-8F	8
	300M-8F	8
	400M-8F	8
	200M-10F	10
	300M-10F	10
	400M-10F	10

VÁLVULAS MECÂNICAS

**VÁLVULA
ALAVANCA**



**VÁLVULA
ROTATIVA**



VÁLVULA PEDAL



4F210-08



4F210-08G



4F210-08L



4F310-08



FV320



FV420

ESPECIFICAÇÕES	
FLUIDO	AR
PRESSÃO MÁXIMA	10 bar
TEMPERATURA DE TRABALHO	0 a 60° C

MANÔMETROS



MAN40
1/8"



MAN50
1/4"



MANT40
1/8"



MANT50
1/4"

REGULADORES DE PRESSÃO



AR 2000
1/4"



PAR 2000-02
1/4"



PAR 4000-04
1/2"



OR 16 BAR

FILTROS



AF 2000
1/4"



JAF 2000-02
1/4"



JAF 3000-03
3/8"



JAF 4000-04
1/2"

FILTRO REGULADOR



PAW 2000-02
1/4"



PAW 3000-02
1/4"



AFR 2000
1/4"



PAW 4000-04
1/2"



OFR 16 BAR

CONJUNTO LUBRIFIL



BFC 4000
1/2"



OU 16 BAR



AFC 2000
1/4"



PAC 2010-02
1/4"



PAC 3010-02
1/4"



PAC 4010-04
1/2"

LUBRIFICADOR



AL 1500
1/8"



AL 2000
1/4"



AL 3000
3/8"



AL 4000
1/2"

DRENO AUTOMÁTICO



AD402-04
1/2"



Dreno

CILINDROS E ACESSÓRIOS

CILINDROS MINI-ISO 6432



CILINDROS ISO 6431



ACESSÓRIOS



**BUSCULANTE
MACHO**



**BUSCULANTE
FÊMEA**



**SUPORTE
OSCILANTE**



CANTONEIRA



FLANGE



**PONTEIRA
GARFO**



PONTEIRA



**PONTEIRA
ROTULAR**



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