



**Specifications**


**Male straight**

NPC		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Male elbow**

NPL		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Male branch tee**

NPB		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Speed controller**

NSC		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Male run tee**

NPD		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Female elbow**

NPLF		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Female straight**

NPCF		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	

**Single universal elbow**


NPH		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	

**Extended stud elbow**


NPLL		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	

**Specifications**


**S type speed controller**

NSS		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Bulkhead female union**

NCM		NO	4-01	4-02	6-01	6-02	6-03	8-01	8-02	8-03	10-02	10-03	10-04	12-02	12-03	12-04			
	size	4	4	6	6	6	6	8	8	8	10	10	10	12	12	12			
		1/8"	1/4"	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"				


**Male equal Y**

NPX		NO	4-M5	4-01	4-02	6-M5	6-01	6-02	6-03	8-01	8-02	8-03	8-04	10-02	10-03	10-04	12-02	12-03	12-04
	size	4	4	4	6	6	6	6	6	8	8	8	8	10	10	10	12	12	12
		M5	1/8"	1/4"	M5	1/8"	1/4"	3/8"	1/8"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	


**Union elbow**

NPV		NO	4	6	8	10	12
	size	4	6	8	10	12	


**Standpipe**

NPGJ		NO	6-4	8-4	8-6	10-6	10-8
	size	6	8	8	10	10	
		4	4	6	6	8	


**Union straight**

NPU		NO	4	6	8	10	12
	size	4	6	8	10	12	


**Unequal tee**

NEG		NO	6-4	8-6	10-8	12-10
	size	6	8	10	12	
		4	6	8	10	


**Union tee**

NPE		NO	4	6	8	10	12
	size	4	6	8	10	12	


**Unequal straight**

NPG		NO	6-4	8-6	10-8	12-10
	size	6	8	10	12	
		4	6	8	10	


**Bulkhead union**

NPM		NO	4	6	8	10	12
	size	4	6	8	10	12	

**Union Y**

NPY		NO	4	6	8	10	12
	size	4	6	8	10	12	



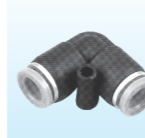





**Unequal Y**

NPW		NO	6-4	8-6	10-8	12-10
	size	6	8	10	12	
		4	6	8	10	

## Specifications

Male straight			Male elbow			Male branch tee		
FPC 4-M5	FPC 8-M5	FPC 12-01	FPL 4-M5	FPL 8-01	FPL 12-03	FPB 4-M5	FPB 8-01	FPB 12-03
FPC 4-M6	FPC 8-M6	FPC 12-02	FPL 4-M6	FPL 8-02	FPL 12-04	FPB 4-M6	FPB 8-02	FPB 12-04
FPC 4-01	FPC 8-01	FPC 12-03	FPL 4-01	FPL 8-03	FPL 14-02	FPB 4-01	FPB 8-03	FPB 14-02
FPC 4-02	FPC 8-02	FPC 12-04	FPL 4-02	FPL 8-04	FPL 14-03	FPB 4-02	FPB 8-04	FPB 14-03
FPC 6-M6	FPC 8-03	FPC 14-02	FPL 6-M6	FPL 10-01	FPL 14-04	FPB 6-M6	FPB 10-01	FPB 14-04
FPC 6-M5	FPC 8-04	FPC 14-03	FPL 6-M5	FPL 10-02	FPL 16-02	FPB 6-M5	FPB 10-02	FPB 16-02
FPC 6-01	FPC 10-01	FPC 14-04	FPL 6-01	FPL 10-03	FPL 16-03	FPB 6-01	FPB 10-03	FPB 16-03
FPC 6-02	FPC 10-02	FPC 16-02	FPL 6-02	FPL 10-04	FPL 16-04	FPB 6-02	FPB 10-04	FPB 16-04
FPC 6-03	FPC 10-03	FPC 16-03	FPL 6-03	FPL 12-01		FPB 6-03	FPB 12-01	
FPC 6-04	FPC 10-04	FPC 16-04	FPL 6-04	FPL 12-02		FPB 6-04	FPB 12-02	





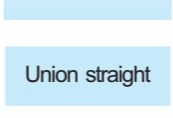
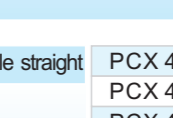
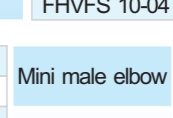




Male run tee			Male equal Y			Extended stud elbow		
FPD 4-M5	FPD 8-01	FPD 12-03	FPX 4-M5	FPX 8-M5	FPX 12-01	FPLL 4-M5	FPLL 8-03	FPLL 16-03
FPD 4-M6	FPD 8-02	FPD 12-04	FPX 4-M6	FPX 8-M6	FPX 12-02	FPLL 4-01	FPLL 8-04	FPLL 16-04
FPD 4-01	FPD 8-03	FPD 14-02	FPX 4-01	FPX 8-01	FPX 12-03	FPLL 4-02	FPLL 10-02	
FPD 4-02	FPD 8-04	FPD 14-03	FPX 4-02	FPX 8-02	FPX 12-04	FPLL 4-03	FPLL 10-03	
FPD 6-M6	FPD 10-01	FPD 14-04	FPX 6-M6	FPX 8-03	FPX 14-03	FPLL 6-01	FPLL 10-04	
FPD 6-M5	FPD 10-02	FPD 16-02	FPX 6-M5	FPX 8-04	FPX 14-04	FPLL 6-02	FPLL 12-03	
FPD 6-01	FPD 10-03	FPD 16-03	FPX 6-01	FPX 10-01	FPX 16-03	FPLL 6-03	FPLL 12-04	
FPD 6-02	FPD 10-04	FPD 16-04	FPX 6-02	FPX 10-02	FPX 16-04	FPLL 6-04	FPLL 14-02	
FPD 6-03	FPD 12-01		FPX 6-03	FPX 10-03		FPLL 8-01	FPLL 14-03	
FPD 6-04	FPD 12-02		FPX 6-04	FPX 10-04		FPLL 8-02	FPLL 14-04	

	FPE 4		FPY 4		FPV 4		FPU 4
	FPE 5		FPY 5		FPV 5		FPU 5
	FPE 6		FPY 6		FPV 6		FPU 6
	FPE 8		FPY 8		FPV 8		FPU 8
	FPE 10		FPY 10		FPV 10		FPU 10
	FPE 12		FPY 12		FPV 12		FPU 12
FPE 14	FPY 14	FPV 14	FPU 14				
FPE 16	FPY 16	FPV 16	FPU 16				
	FPG 54-4		FPN 6-4-4		FPZ 4		FPHZ 4-6
	FPG 6-4		FPN 8-6-6		FPZ 5		FPHZ 6-5
	FPG 16-5		FPN 10-8-8		FPZ 6		FPHZ 6-8
	FPG 18-6		FPN 12-10-10		FPZ 8		FPHZ 8-10
	FPG 10-8		FPN 14-10-10		FPZ 10		FPHZ 10-6
	FPG 12-10		FPN 16-12-12		FPZ 12		FPHZ 10-12
FPG 14-10							
FPG 16-12							

## Specifications

Female elbow			Female straight			Male reducer/Triple branch		
FPLF 4-M5	FPLF 8-03	FPLF 14-02	FPCF 4-M5	FPCF 8-01	FPCF 12-03	FPKD 4-M5	FPKD 6-03	FPKD 10-03
FPLF 4-01	FPLF 8-04	FPLF 14-03	FPCF 4-01	FPCF 8-02	FPCF 12-04	FPKD 4-M6	FPKD 6-04	FPKD 10-04
FPLF 6-01	FPLF 10-02	FPLF 14-04	FPCF 4-02	FPCF 8-03	FPCF 14-02	FPKD 4-01	FPKD 8-01	FPKD 12-03
FPLF 6-02	FPLF 10-03	FPLF 16-02	FPCF 4-03	FPCF 8-04	FPCF 14-03	FPKD 4-02	FPKD 8-02	FPKD 12-04
FPLF 6-03	FPLF 10-04	FPLF 16-03	FPCF 6-01	FPCF 10-02	FPCF 14-04	FPKD 6-M6	FPKD 8-03	FPKD 14-03
FPLF 6-04	FPLF 12-02	FPLF 16-04	FPCF 6-02	FPCF 10-03	FPCF 16-03	FPKD 6-M5	FPKD 8-04	FPKD 14-04
FPLF 8-01	FPLF 12-03		FPCF 6-03	FPCF 10-04	FPCF 16-04	FPKD 6-01	FPKD 10-01	
FPLF 8-02	FPLF 12-04		FPCF 6-04	FPCF 12-02		FPKD 6-02	FPKD 10-02	

360° Female universal elbow	Single universal elbow	Double universal elbow	Speed controller	S type speed controller				
								
FBHF 4-01	FBHF 10-01	FPH 4-M5	FPH 10-01	FPHW 6-01	FJSC 4-M5	FJSC 8-03	FJSS 6-01	FJSS 10-04
FBHF 4-02	FBHF 10-02	FPH 4-01	FPH 10-02	FPHW 6-02	FJSC 4-01	FJSC 8-04	FJSS 6-02	FJSS 12-02
FBHF 6-01	FBHF 10-03	FPH 4-02	FPH 10-03	FPHW 8-01	FJSC 4-02	FJSC 10-02	FJSS 6-03	FJSC 12-03
FBHF 6-02	FBHF 10-04	FPH 6-M5	FPH 10-04	FPHW 8-02	FJSC 6-M5	FJSC 10-03	FJSS 6-04	FJSS 12-04
FBHF 6-03	FBHF 12-01	FPH 6-01	FPH 12-02	FPHW 8-03	FJSC 6-01	FJSC 10-04	FJSS 8-01	
FBHF 6-04	FBHF 12-02	FPH 6-02	FPH 12-03	FPHW 10-01	FJSC 6-02	FJSC 12-02	FJSS 8-02	
FBHF 8-01	FBHF 12-03	FPH 6-03	FPH 12-04	FPHW 10-02	FJSC 6-03	FJSC 12-03	FJSS 8-03	
FBHF 8-02	FBHF 12-04	FPH 8-01		FPHW 10-03	FJSC 6-04	FJSC 12-04	FJSS 8-04	
FBHF 8-03		FPH 8-02		FPHW 12-02	FJSC 8-01		FJSS 10-02	
FBHF 8-04		FPH 8-03		FPHW 12-03	FJSC 8-02		FJSS 10-03	

	FPKG 4		FHVFSS 01-01		FHVFS 6-01	FHVFS 12-02	
	FPKG 6		FHVFSS 02-02		FHVFS 6-02	FHVFS 12-03	
	FPKG 8		FHVFSS 03-03		FHVFS 6-03	FHVFS 12-04	
	FPKG 10		FHVFSS 03-02		FHVFS 8-01		
	FPKG 12		FHVFSS 04-03		FHVFS 8-02		
FPKG 14	FHVFSS 04-04	FHVFS 8-03					
	FPA 4				PCX 4-M5		PLX 4-M5
	FPA 6		FPAC 4		PCX 4-01		PLX 4-01
	FPA 8		FPAC 6		PCX 4-02		PLX 6-M5
	FPA 10		FPAC 8		PCX 6-M5		PLX 6-01
	FHVFF 4				PCX 6-01		
	FHVFF 06		FPAC 10		PCX 6-02		
	FHVFF 08		FPAC 12		PCX 8-01		
	FHVFF 10		FPAC 14		PCX 8-02		
	FHVFF 12				PCX 8-03		
FHVFF 14							