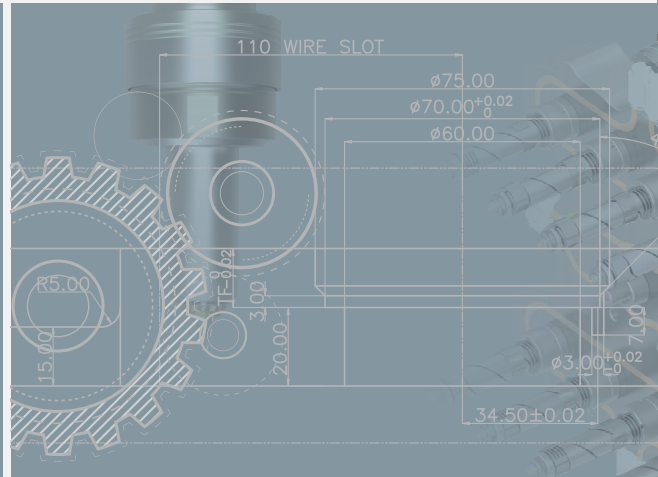
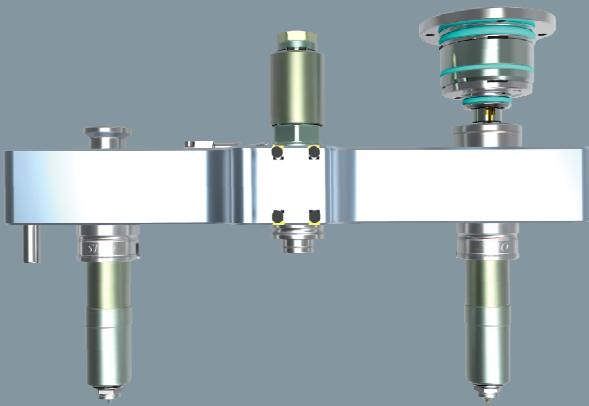
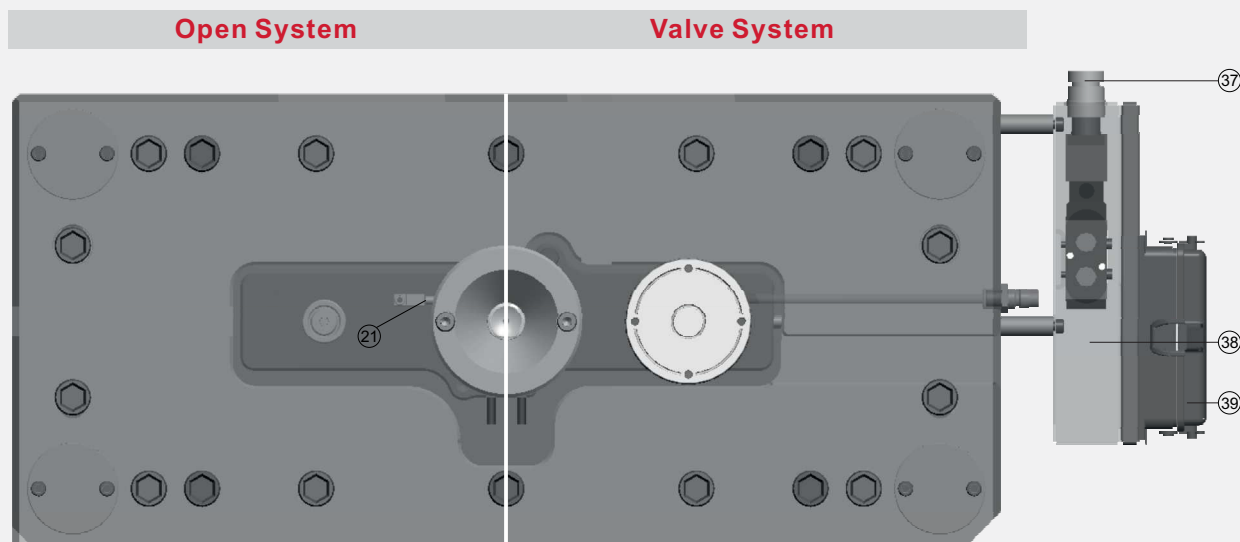




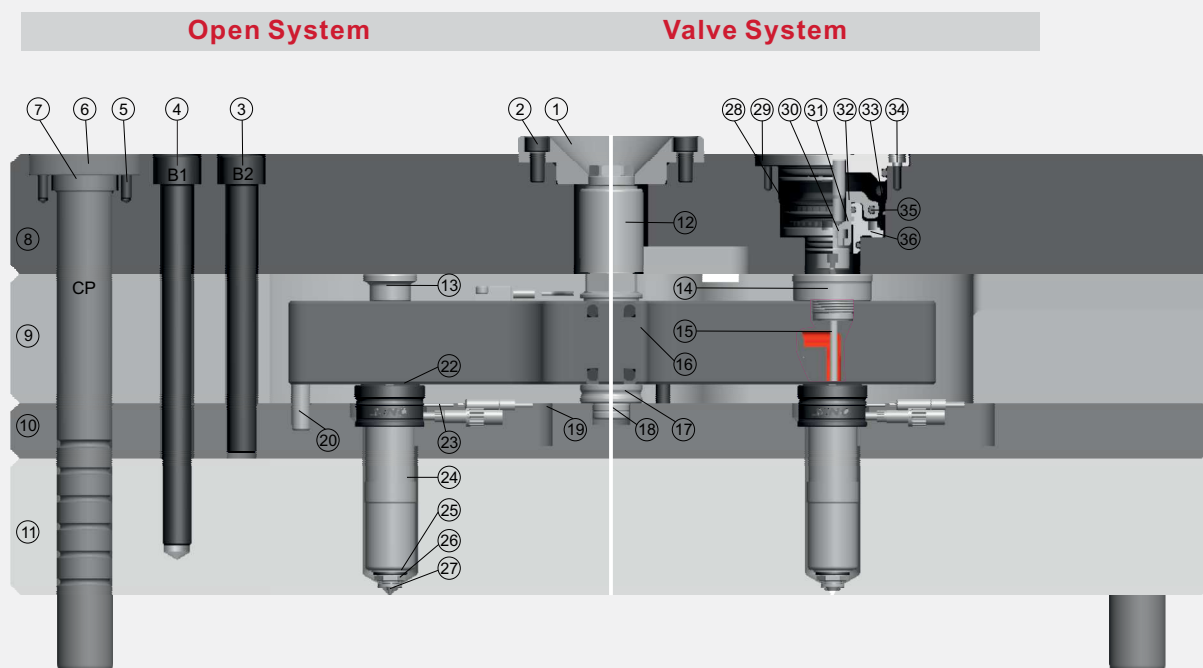
PRM SERIES

HOT RUNNER SYSTEM NOZZLES

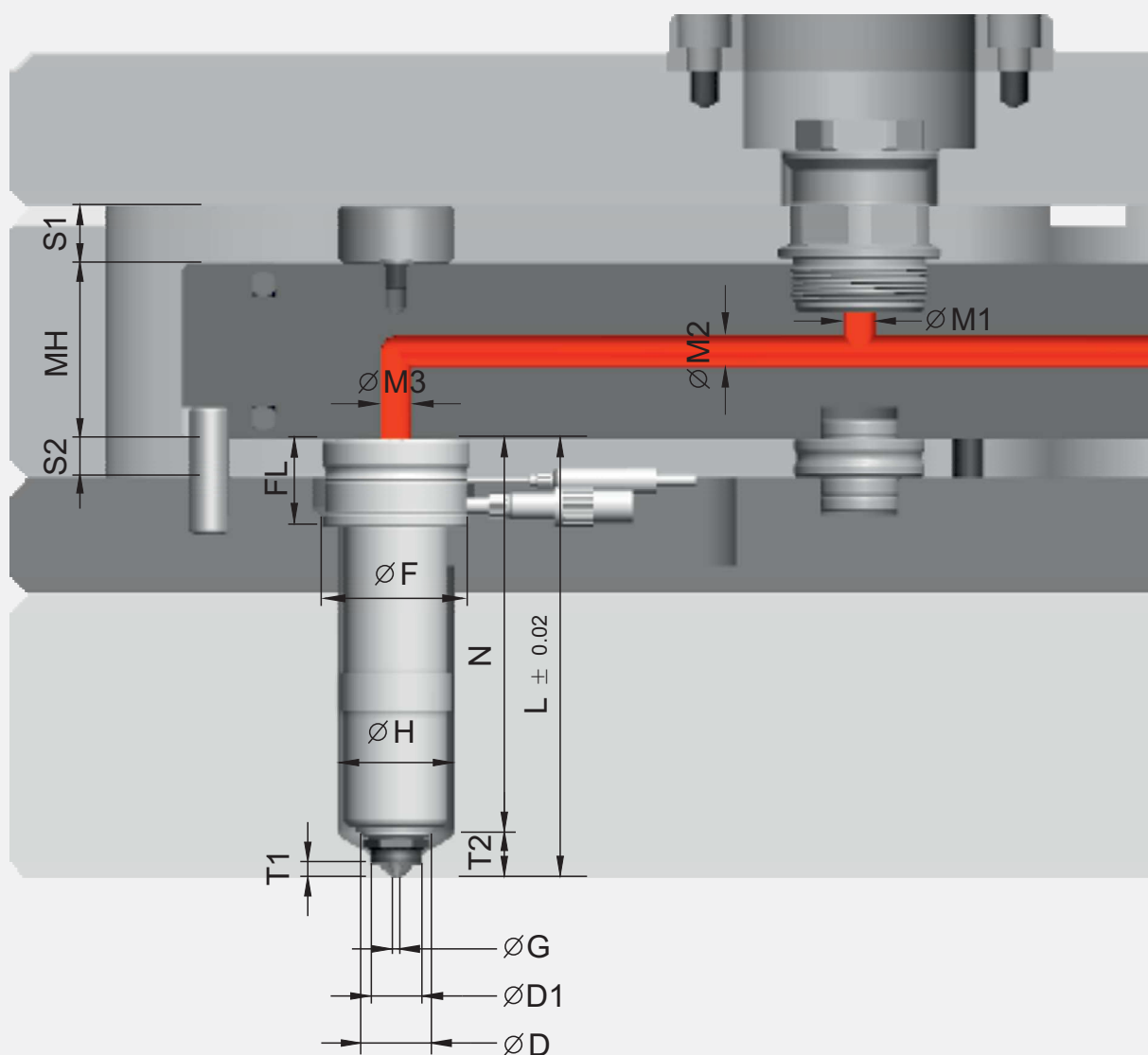
System Glossary



- | | | | | |
|--------------------------------|--------------------------|---------------------------|-------------------------|-------------------|
| 1 Locating Ring | 12 Nozzle Locator | 22 Seal Ring | 28 "O" Ring | 37 Solenoid Valve |
| 2 Socket Head Cap Bolt | 13 Insulation Pad | 23 Nozzle Thermocouple | 29 Cylinder Cover | 38 Connector box |
| 3 Bolt (B2) | 14 P.G.B Ring | 24 Tube Heater | 30 Valve Pin | 39 Connector |
| 4 Bolt (B1) | 15 Pin Guide Bush | 25 Snap Ring | 31 Piston In | |
| 5 Center Pin Cover Fixing Bolt | 16 Manifold Block | 26 Nozzle Union/Gate Bush | 32 Piston Out | |
| 6 Center Pin Cover | 17 Dowel Pad | 27 Nozzle Tip | 33 Cylinder Housing | |
| 7 Center Pin | 18 Dowel Pin | | 34 Socket Head Cap Bolt | |
| 8 Clamping Plate | 19 Socket Head Cap Bolt | | 35 Rub Ring | |
| 9 Spacer Plate | 20 Lock pin | | 36 Cylinder Bottom | |
| 10 Holding Plate | 21 Manifold Thermocouple | | | |
| 11 Cavity Plate | | | | |



Open System Introduction



Open System Introduction

Division	PRM18	PRM25	PRM35	PRM45	
Model Number	PRM-18-□□-□□□	PRM-25-□□-□□□	PRM-35-□□-□□□	PRM-45-□□-□□□	
Injection Volume	UP to 250gr	UP to 650gr	UP to 1400gr	Over 1900gr	
∅M1	8	10	12	16	
∅M2	8	10	12	16	
∅M3	8	10	12	16	
S1	15/10	15/10	15/10	15/10	
S2	10/15	10/15	10/15	10/15	
∅F	38	48	60	70	
FL	23	26	30	30	
T2	11	16	21	26	
T1	3.6	6.9	11.4	15.4	
L	CC,CH,CE,CW,CL	64~194	70~260	75~275	84~294
	SL	58~188	60~250	60~260	65~275
∅G	CC,CH,CE,CW	1.2/1.5	1.2/1.5	1.5/2.0/2.5	2.0/2.5/3.0
	CL	1.5/2.0	1.5/2.5	2.0/3.0/4.0	3.0/4.0/5.0
	SL	1.5/2.0	1.5/2.0	2.0/3.0	2.0/3.0/4.0
∅H	30	38	48	60	
∅D1	13	18	26	34	
∅D	18.15	25.15	35.15	45.15	
Tube Heater	TH OS 18 □□6 36 5	TH OS 25□□4 36 5	TH OS 35□□5 36 5	TH OS 45□□8 36 5	
Thermocouple	NZ TP□□ 16 □□ 5 R	NZ TP□□ 16 □□ 5 2	NZ TP□□ 16 □□ 5 2	NZ TP□□ 16 □□ 5 2	

Open System Introduction

GATING TYPE



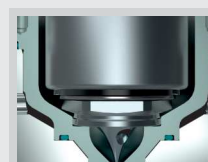
CC/CH TYPE



CE TYPE



CL TYPE



CW TYPE



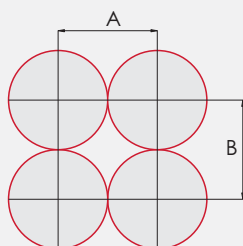
GC TYPE



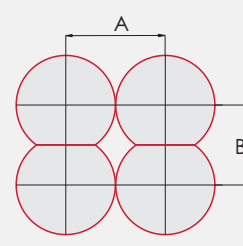
SL TYPE

Open System Introduction

Types	Gate minimum space (A/B)		unit:mm
	Open Square	Open Rectangle	
PRM 18	38/38	38/32	
PRM 25	48/48	48/40	
PRM 35	60/60	60/50	
PRM 45	70/70	70/60	

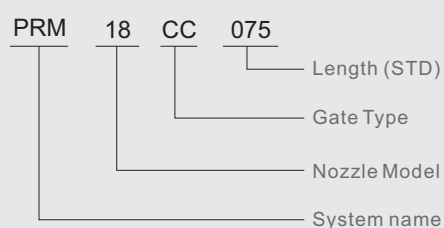


Square Space Between

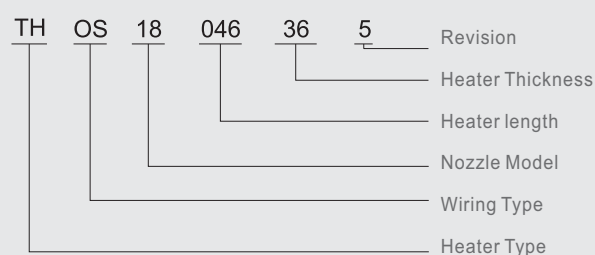


Rectangle Space Between

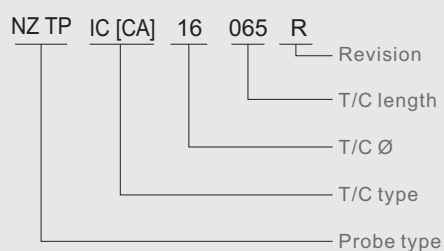
■ How to read Nozzle Model



■ How to read Heater Code



■ How to read Thermocouple Code

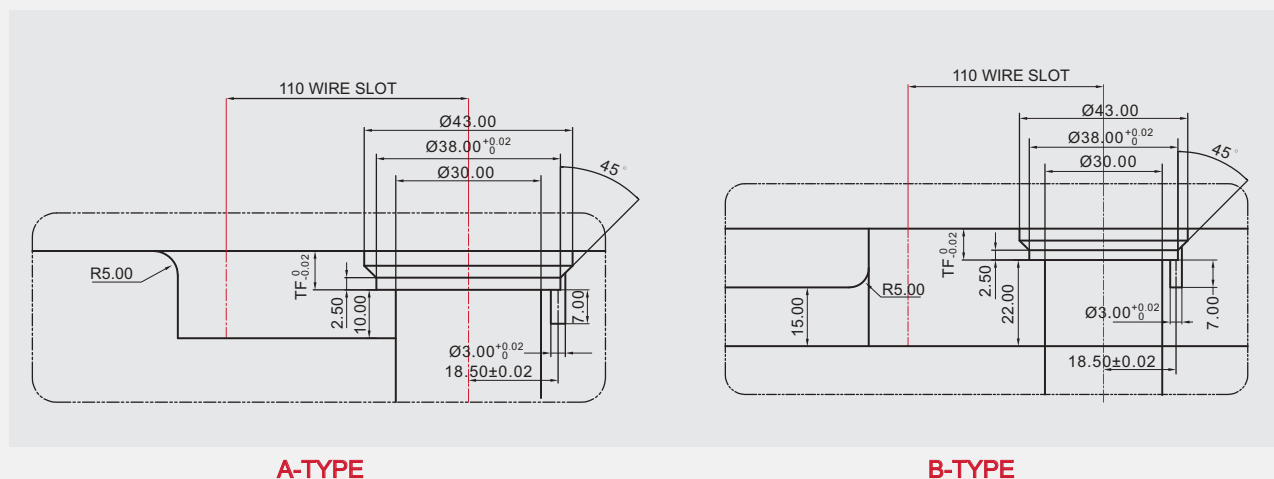


Open System Introduction

PRM18 OPEN SYSTEM

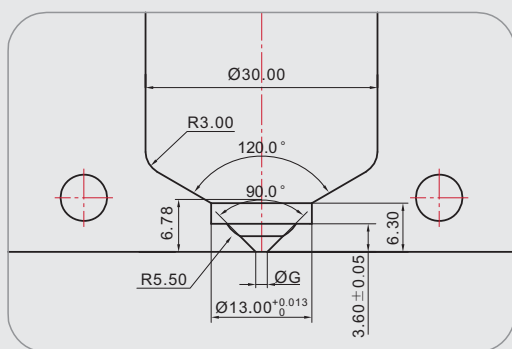
MODEL	L	HEATER	T/C
PRM18 □□	64~73.99	THOS 18 036 36 5	NZ TP IC [CA] 16 065 R
PRM18 □□	74~83.99	THOS 18 046 36 5	
PRM18 □□	84~93.99	THOS 18 056 36 5	NZ TP IC [CA] 16 085 R
PRM18 □□	94~103.99	THOS 18 066 36 5	
PRM18 □□	104~113.99	THOS 18 076 36 5	NZ TP IC [CA] 16 105 R
PRM18 □□	114~123.99	THOS 18 086 36 5	
PRM18 □□	124~133.99	THOS 18 096 36 5	NZ TP IC [CA] 16 125 R
PRM18 □□	134~143.99	THOS 18 106 36 5	
PRM18 □□	144~153.99	THOS 18 116 36 5	NZ TP IC [CA] 16 145 R
PRM18 □□	154~163.99	THOS 18 126 36 5	
PRM18 □□	164~173.99	THOS 18 136 36 5	NZ TP IC [CA] 16 165 R
PRM18 □□	174~183.99	THOS 18 146 36 5	
PRM18 □□	184~193.99	THOS 18 156 36 5	NZ TP IC [CA] 16 185 R

FLANGE PROCESS AREA

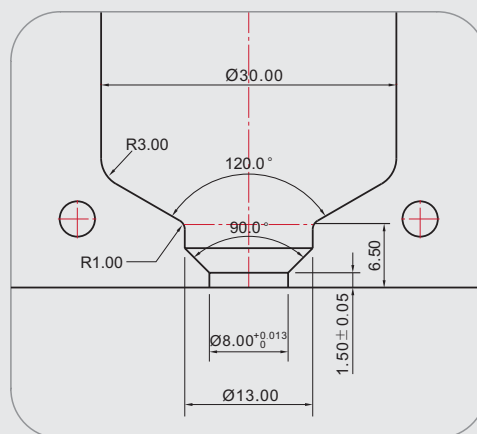


Open System Introduction

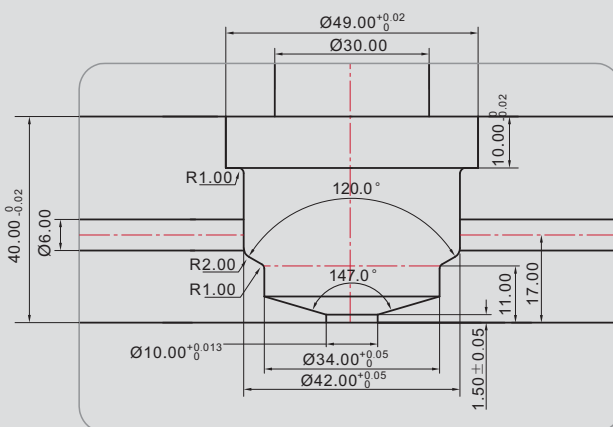
GATE PROCESS AREA



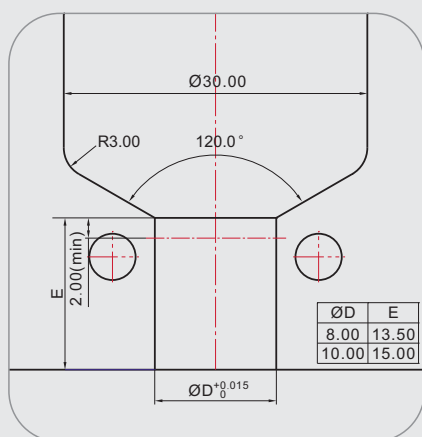
CC/CH



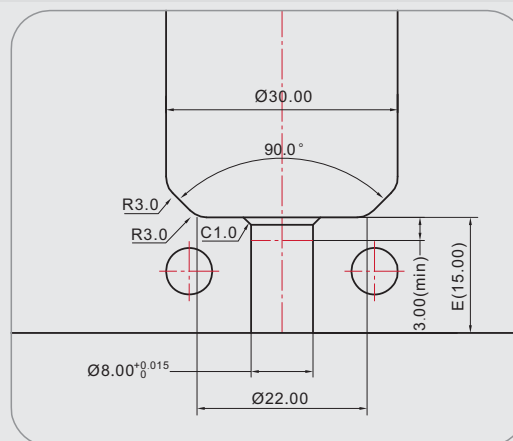
CE



CW



CL



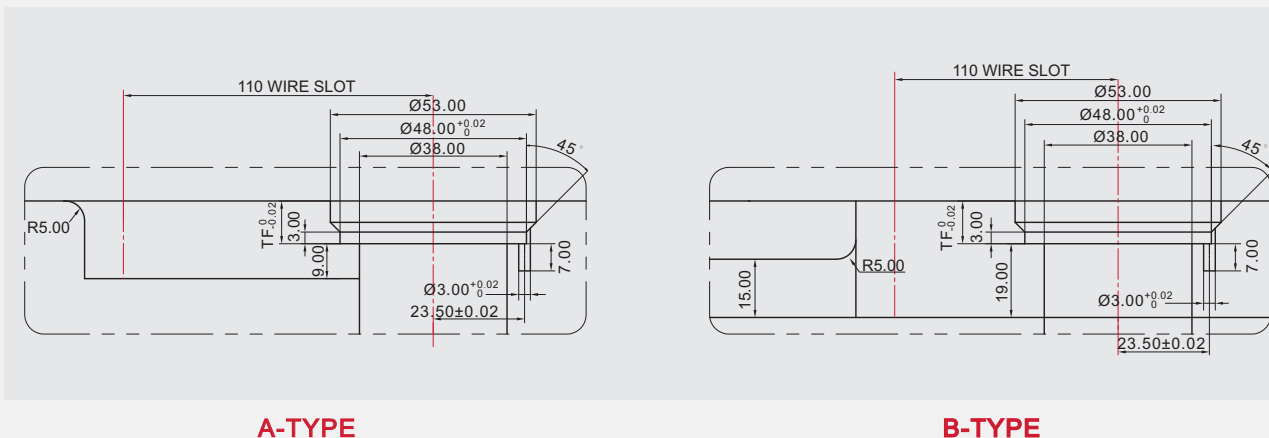
SL

Open System Introduction

PRM 25 OPEN SYSTEM

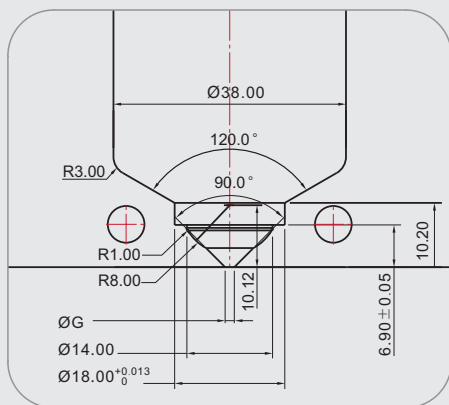
MODEL	L	HEATER	T/C
PRM25 □□	70~79.99	THOS 25 034 36 5	
PRM25 □□	80~89.99	THOS 25 044 36 5	NZ TP IC [CA] 16 065 2
PRM25 □□	90~99.99	THOS 25 054 36 5	
PRM25 □□	100~109.99	THOS 25 064 36 5	NZ TP IC [CA] 16 085 2
PRM25 □□	110~119.99	THOS 25 074 36 5	
PRM25 □□	120~129.99	THOS 25 084 36 5	NZ TP IC [CA] 16 105 2
PRM25 □□	130~139.99	THOS 25 094 36 5	
PRM25 □□	140~149.99	THOS 25 104 36 5	NZ TP IC [CA] 16 125 2
PRM25 □□	150~159.99	THOS 25 114 36 5	
PRM25 □□	160~169.99	THOS 25 124 36 5	NZ TP IC [CA] 16 145 2
PRM25 □□	170~179.99	THOS 25 134 36 5	
PRM25 □□	180~189.99	THOS 25 144 36 5	NZ TP IC [CA] 16 165 2
PRM25 □□	190~199.99	THOS 25 154 36 5	
PRM25 □□	200~209.99	THOS 25 164 36 5	NZ TP IC [CA] 16 185 2
PRM25 □□	210~219.99	THOS 25 174 36 5	
§	§	§	§
PRM25 □□	250~259.99	THOS 25 214 36 5	NZ TP IC [CA] 16 225 2

FLANGE PROCESS AREA

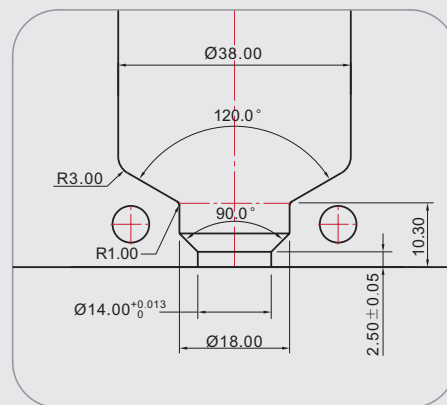


Open System Introduction

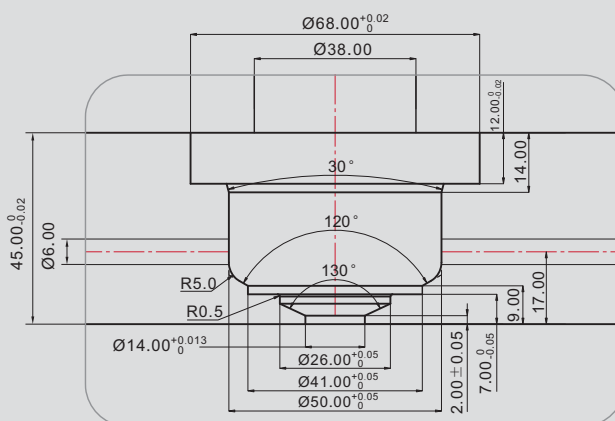
GATE PROCESS AREA



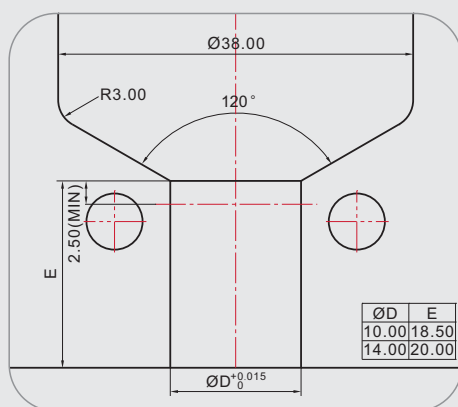
CC/CH



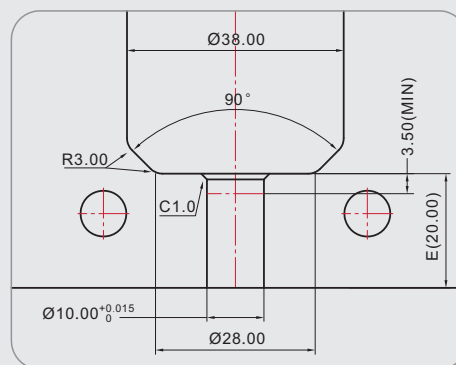
CE



CW



CL



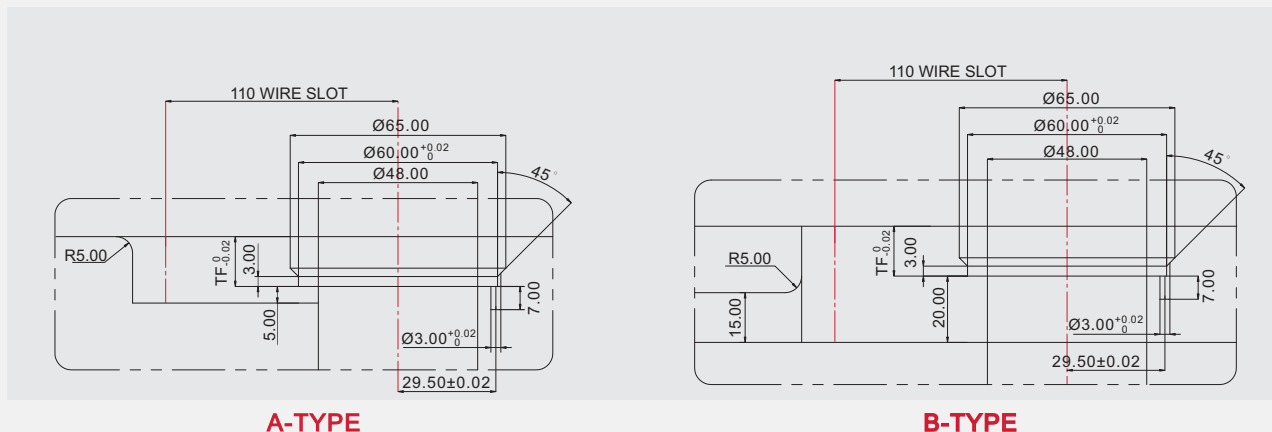
SL

Open System Introduction

PRM 35 OPEN SYSTEM

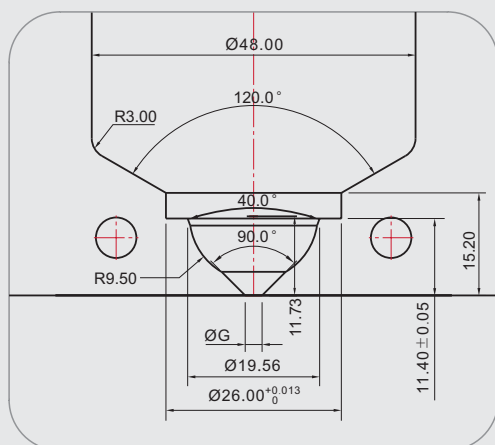
MODEL	L	HEATER	T/C
PRM35 □□	75~84.99	THOS 35 035 36 5	
PRM35 □□	85~94.99	THOS 35 045 36 5	NZ TP IC [CA] 16 065 2
PRM35 □□	95~104.99	THOS 35 055 36 5	
PRM35 □□	105~114.99	THOS 35 065 36 5	NZ TP IC [CA] 16 085 2
PRM35 □□	115~124.99	THOS 35 075 36 5	
PRM35 □□	125~134.99	THOS 35 085 36 5	NZ TP IC [CA] 16 105 2
PRM35 □□	135~144.99	THOS 35 095 36 5	
PRM35 □□	145~154.99	THOS 35 105 36 5	NZ TP IC [CA] 16 125 2
PRM35 □□	155~164.99	THOS 35 115 36 5	
PRM35 □□	165~174.99	THOS 35 125 36 5	NZ TP IC [CA] 16 145 2
PRM35 □□	175~184.99	THOS 35 135 36 5	
PRM35 □□	185~194.99	THOS 35 145 36 5	NZ TP IC [CA] 16 165 2
PRM35 □□	195~204.99	THOS 35 155 36 5	
PRM35 □□	205~214.99	THOS 35 165 36 5	NZ TP IC [CA] 16 185 2
PRM35 □□	215~224.99	THOS 35 175 36 5	
§	§	§	§
PRM35 □□	265~274.99	THOS 35 225 36 5	NZ TP IC [CA] 16 245 2

FLANGE PROCESS AREA

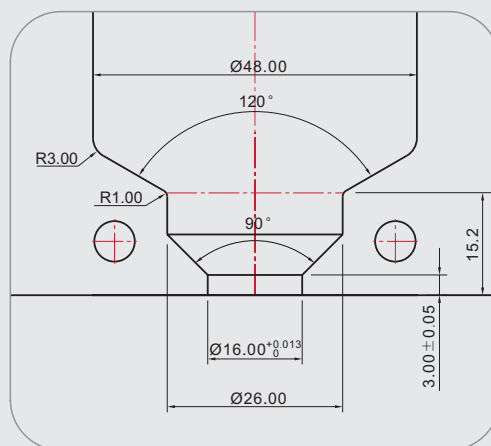


Open System Introduction

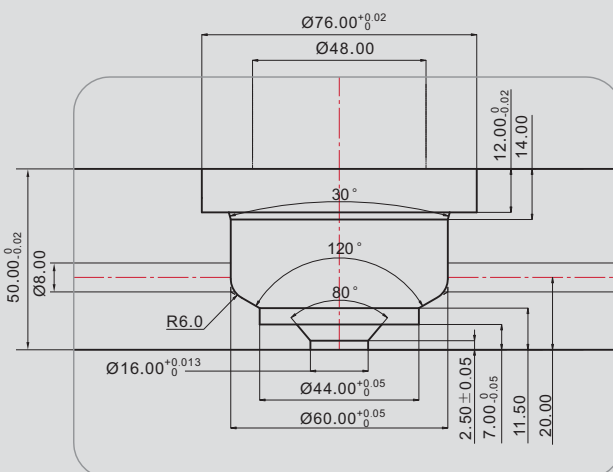
GATE PROCESS AREA



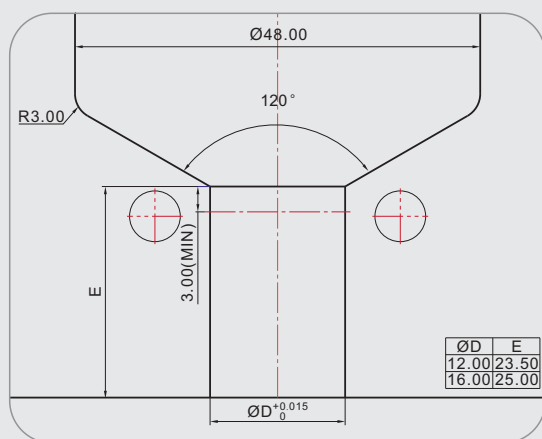
CC/CH



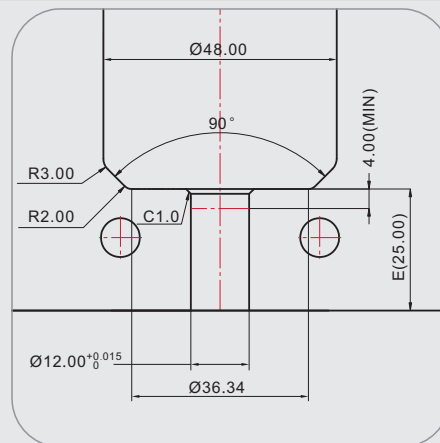
CE



CW



CL



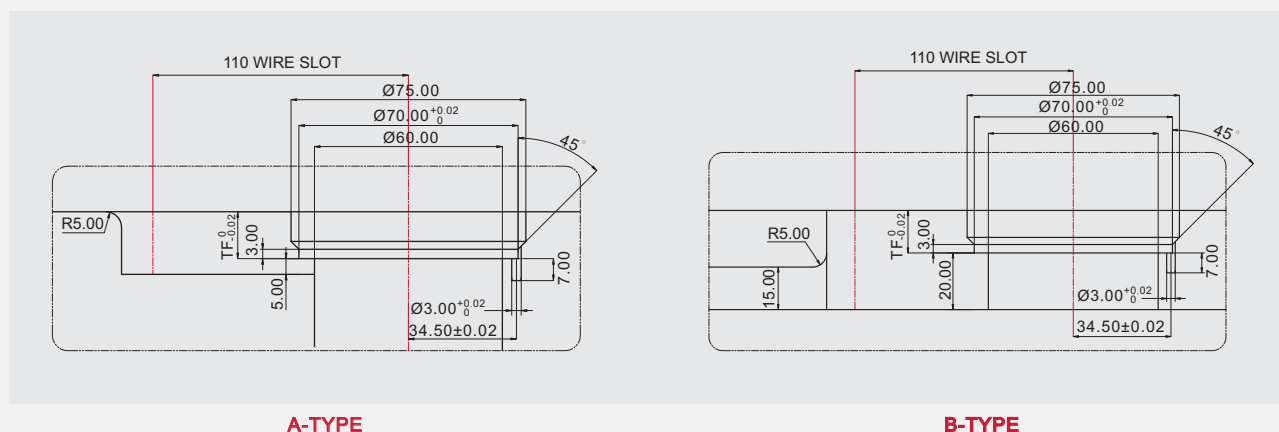
SL

Open System Introduction

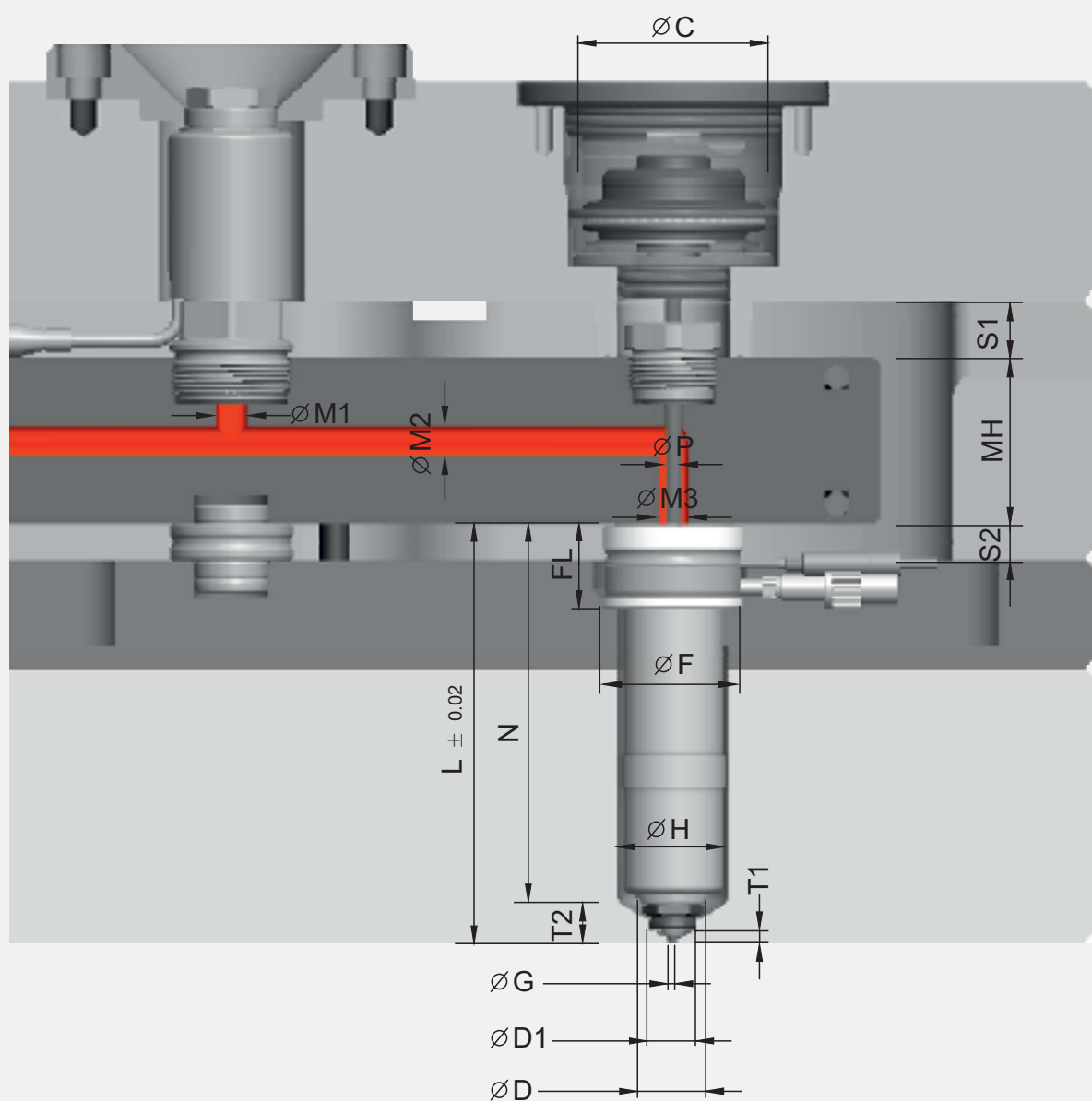
PRM 45 OPEN SYSTEM

MODEL	L	HEATER	T/C
PRM45 □□	84~93.99	THOS 45 038 36 5	NZ TP IC [CA] 16 065 2
PRM45 □□	94~103.99	THOS 45 048 36 5	
PRM45 □□	104~113.99	THOS 45 058 36 5	NZ TP IC [CA] 16 085 2
PRM45 □□	114~123.99	THOS 45 068 36 5	
PRM45 □□	124~133.99	THOS 45 078 36 5	NZ TP IC [CA] 16 105 2
PRM45 □□	134~143.99	THOS 45 088 36 5	
PRM45 □□	144~153.99	THOS 45 098 36 5	NZ TP IC [CA] 16 125 2
PRM45 □□	154~163.99	THOS 45 108 36 5	
PRM45 □□	164~173.99	THOS 45 118 36 5	NZ TP IC [CA] 16 145 2
PRM45 □□	174~183.99	THOS 45 128 36 5	
PRM45 □□	184~193.99	THOS 45 138 36 5	NZ TP IC [CA] 16 165 2
PRM45 □□	194~203.99	THOS 45 148 36 5	
PRM45 □□	204~213.99	THOS 45 158 36 5	NZ TP IC [CA] 16 185 2
PRM45 □□	214~223.99	THOS 45 168 36 5	
PRM45 □□	224~233.99	THOS 45 178 36 5	NZ TP IC [CA] 16 205 2
PRM45 □□	234~243.99	THOS 45 188 36 5	
§	§	§	§
PRM45 □□	284~293.99	THOS 45 238 36 5	NZ TP IC [CA] 16 265 2

FLANGE PROCESS AREA



Valve System Introduction

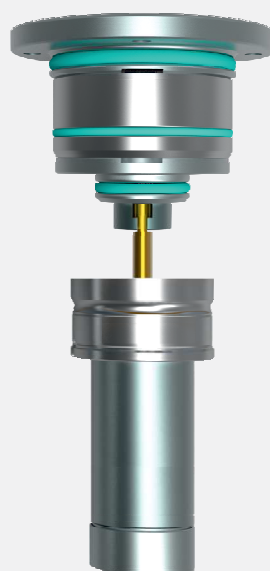


Valve System Introduction

Division	PRM18	PRM25	PRM35	PRM45	
Model Number	PRM-18-□□-□□□	PRM-25-□□-□□□	PRM-35-□□-□□□	PRM-45-□□-□□□	
Injection Volume	UP to 100gr	UP to 350gr	UP to 800gr	Over 1600gr	
∅C	40	50	60	70	
∅P	4	4	6	8	10
∅M1	8	10	12	16	
∅M2	8	10	12	16	
∅M3	8	10	12	16	18
S1	15/10	15/10	15/10	15	
S2	10/15	10/15	10/15	10	
∅F	38	48	60	70	
FL	23	26	30	30	
T2	11	16	21	26	
T1	3.6	6.9	11.4	15.4	
L	64~194	70~260	75~275	84~294	
∅H	30	38	48	60	
∅G	1.5/2.0	1.5/2.0/2.5	2.5/3.0/4.0	4.0/5.0	6.0/7.0
∅D1	13	18	26	34	
∅D	18.15	25.15	35.15	45.15	
Tube Heater	TH OS 18□□636 5	TH OS 25□□436 5	TH OS 35□□536 5	TH OS 45□□836 5	
Thermocouple	NZ TP□□16□□5 R	NZ TP□□16□□5 2	NZ TP□□16□□5 2	NZ TP□□16□□5 2	

Valve System Introduction

GATING TYPE



VW TYPE



VG TYPE



VE TYPE



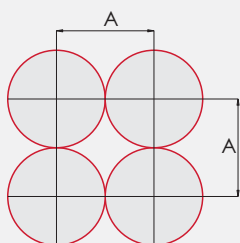
VV TYPE



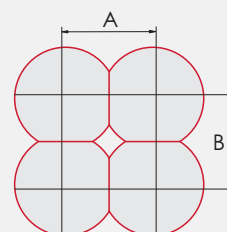
VL TYPE

Valve System Introduction

Gate minimum space (A/B)				unit:mm
Cylinder	(N/L Area)		(Others)	
	Symmetrical	Asymmetric	Valve Square	Valve Rectangle
VCP40	76	56/92	74/74	54/54
VCP50	86	66/98	84/84	64/64
VCP60	98	75/115	94/94	74/74
VCP70	114	88/134	104/104	86/86
VCP80	120	98/140	116/116	96/96
VCP90	128	108/144	126/126	106/106

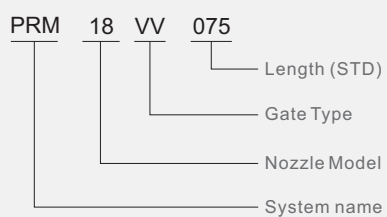


Square Space Between

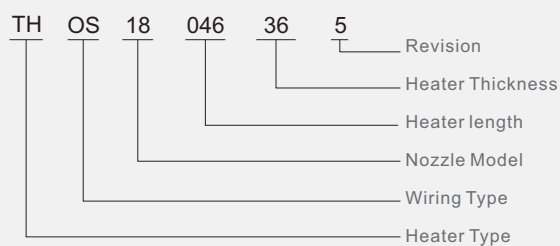


Rectangle Space Between

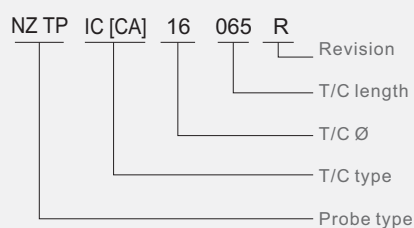
■ How to read Nozzle Model



■ How to read Heater Code

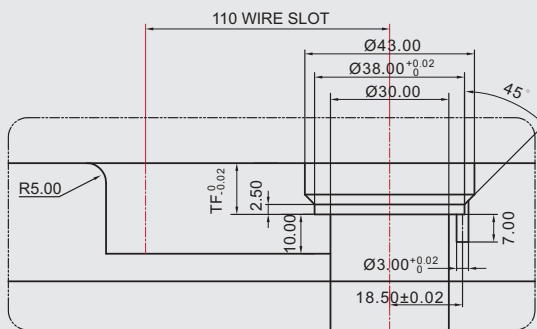


■ How to read Thermocouple Code

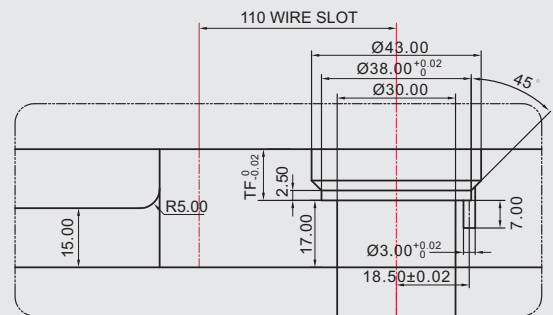


Valve System Introduction

FLANGE PROCESS AREA

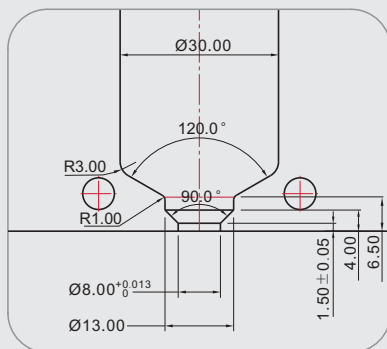


A-TYPE

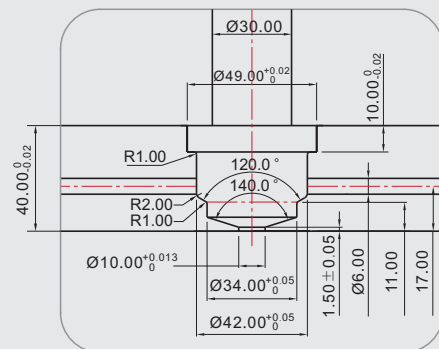


B-TYPE

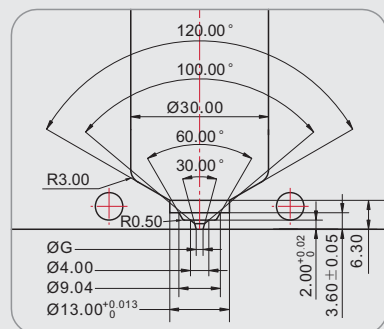
GATE PROCESS AREA



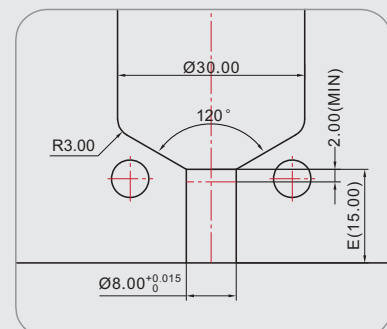
VE



VW



VV, VG



VL

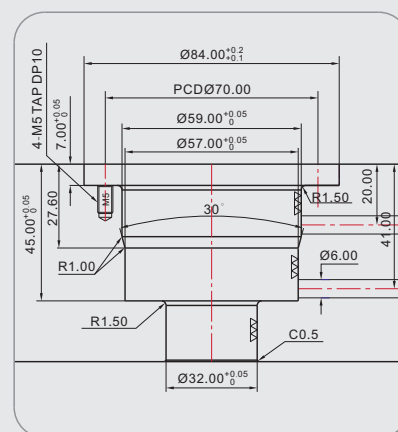
Valve System Introduction

PRM 25 VALVE SYSTEM

MODEL	L	HEATER	T/C
PRM25 □□	70~79.99	THOS 25 034 36 5	
PRM25 □□	80~89.99	THOS 25 044 36 5	NZ TP IC [CA] 16 065 2
PRM25 □□	90~99.99	THOS 25 054 36 5	
PRM25 □□	100~109.99	THOS 25 064 36 5	NZ TP IC [CA] 16 085 2
PRM25 □□	110~119.99	THOS 25 074 36 5	
PRM25 □□	120~129.99	THOS 25 084 36 5	NZ TP IC [CA] 16 105 2
PRM25 □□	130~139.99	THOS 25 094 36 5	
PRM25 □□	140~149.99	THOS 25 104 36 5	NZ TP IC [CA] 16 125 2
PRM25 □□	150~159.99	THOS 25 114 36 5	
PRM25 □□	160~169.99	THOS 25 124 36 5	NZ TP IC [CA] 16 145 2
PRM25 □□	170~179.99	THOS 25 134 36 5	
PRM25 □□	180~189.99	THOS 25 144 36 5	NZ TP IC [CA] 16 165 2
PRM25 □□	190~199.99	THOS 25 154 36 5	
PRM25 □□	200~209.99	THOS 25 164 36 5	NZ TP IC [CA] 16 185 2
PRM25 □□	210~219.99	THOS 25 174 36 5	
⋮	⋮	⋮	⋮
PRM25 □□	250~259.99	THOS 25 214 36 5	NZ TP IC [CA] 16 225 2

CYLINDER PROCESS AREA

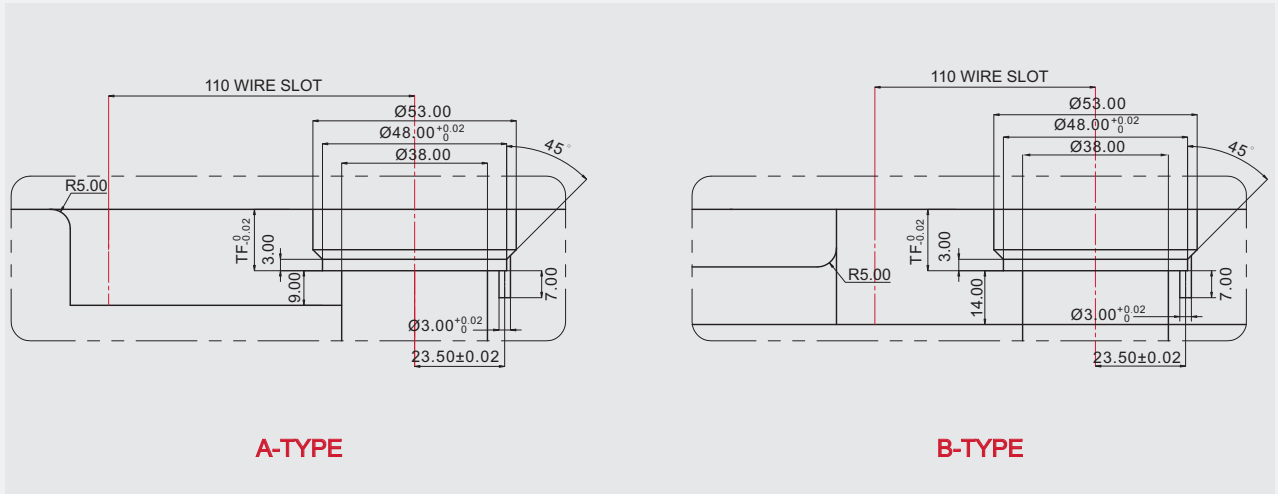
The model of cylinder rest with the size of gate or character of product, PRM25 match VCP50, also can match VCP40 or VCP60 if any especial case



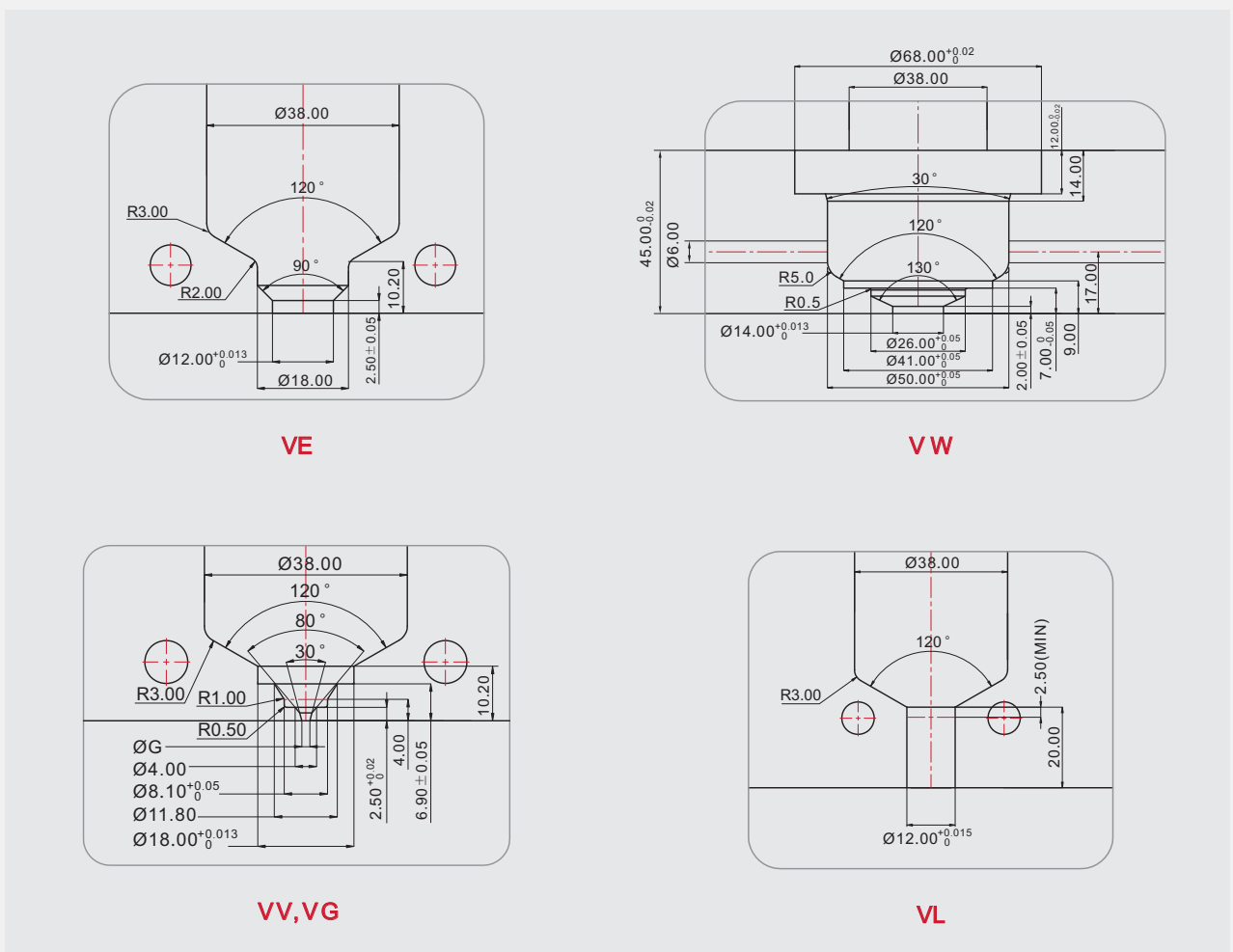
VCP50

Valve System Introduction

FLANGE PROCESS AREA



GATE PROCESS AREA



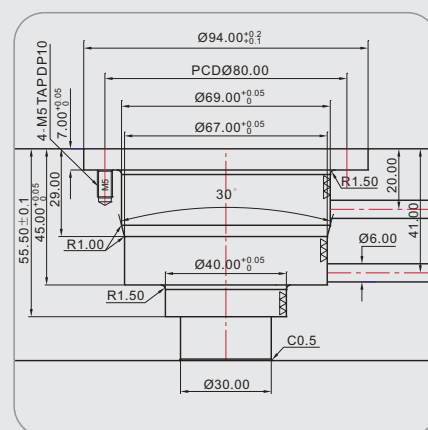
Valve System Introduction

PRM 35 VALVE SYSTEM

MODEL	L	HEATER	T/C
PRM35 □□	75~84.99	THOS 35 035 36 5	
PRM35 □□	85~94.99	THOS 35 045 36 5	NZ TP IC [CA] 16 065 2
PRM35 □□	95~104.99	THOS 35 055 36 5	
PRM35 □□	105~114.99	THOS 35 065 36 5	NZ TP IC [CA] 16 085 2
PRM35 □□	115~124.99	THOS 35 075 36 5	
PRM35 □□	125~134.99	THOS 35 085 36 5	NZ TP IC [CA] 16 105 2
PRM35 □□	135~144.99	THOS 35 095 36 5	
PRM35 □□	145~154.99	THOS 35 105 36 5	NZ TP IC [CA] 16 125 2
PRM35 □□	155~164.99	THOS 35 115 36 5	
PRM35 □□	165~174.99	THOS 35 125 36 5	NZ TP IC [CA] 16 145 2
PRM35 □□	175~184.99	THOS 35 135 36 5	
PRM35 □□	185~194.99	THOS 35 145 36 5	NZ TP IC [CA] 16 165 2
PRM35 □□	195~204.99	THOS 35 155 36 5	
PRM35 □□	205~214.99	THOS 35 165 36 5	NZ TP IC [CA] 16 185 2
PRM35 □□	215~224.99	THOS 35 175 36 5	
⋮	⋮	⋮	⋮
PRM35 □□	265~274.99	THOS 35 225 36 5	NZ TP IC [CA] 16 245 2

CYLINDER PROCESS AREA

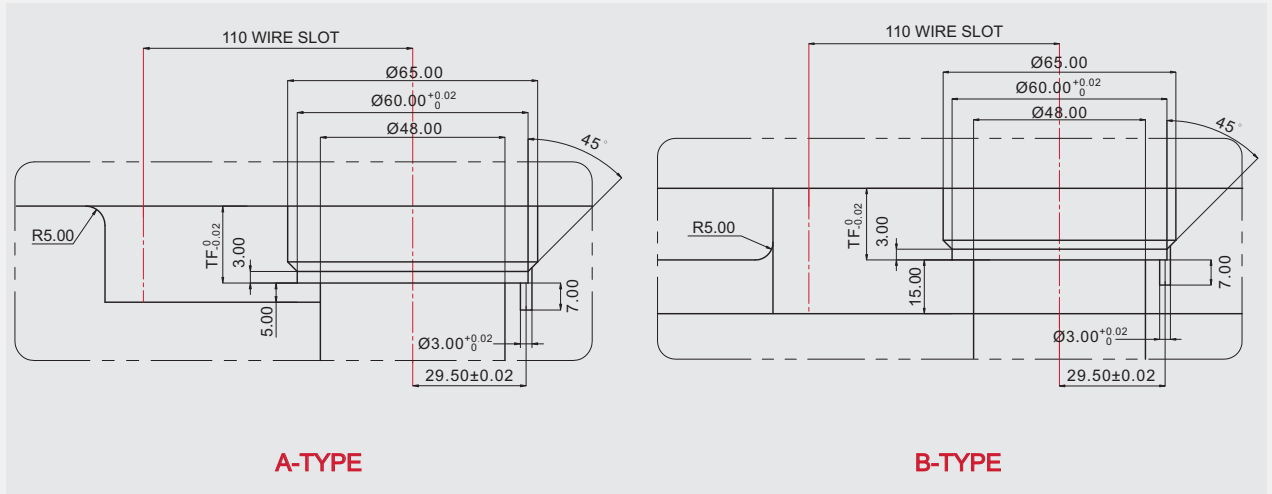
The model of cylinder rest with the size of gate or character of product, PRM35 match VCP60, also can match VCP50 or VCP70 if any especial case



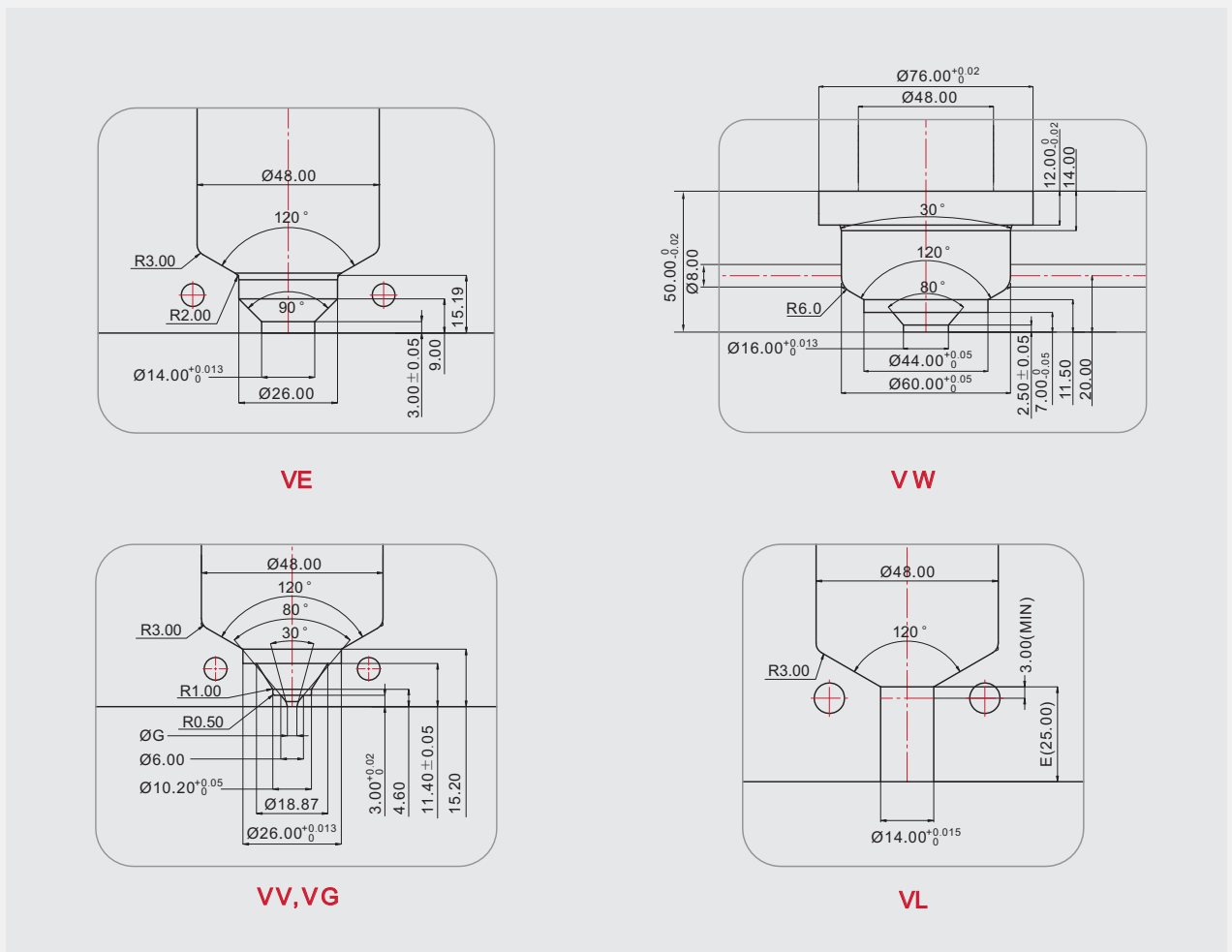
VCP60

Valve System Introduction

FLANGE PROCESS AREA



GATE PROCESS AREA



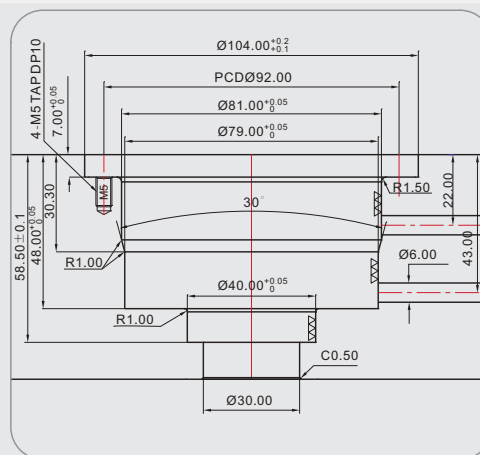
Valve System Introduction

PRM 45 VALVE SYSTEM

MODEL	L	HEATER	T/C
PRM45 □□	84~93.99	THOS 45 038 36 5	NZ TP IC [CA] 16 065 2
PRM45 □□	94~103.99	THOS 45 048 36 5	
PRM45 □□	104~113.99	THOS 45 058 36 5	NZ TP IC [CA] 16 085 2
PRM45 □□	114~123.99	THOS 45 068 36 5	
PRM45 □□	124~133.99	THOS 45 078 36 5	NZ TP IC [CA] 16 105 2
PRM45 □□	134~143.99	THOS 45 088 36 5	
PRM45 □□	144~153.99	THOS 45 098 36 5	NZ TP IC [CA] 16 125 2
PRM45 □□	154~163.99	THOS 45 108 36 5	
PRM45 □□	164~173.99	THOS 45 118 36 5	NZ TP IC [CA] 16 145 2
PRM45 □□	174~183.99	THOS 45 128 36 5	
PRM45 □□	184~193.99	THOS 45 138 36 5	NZ TP IC [CA] 16 165 2
PRM45 □□	194~203.99	THOS 45 148 36 5	
PRM45 □□	204~213.99	THOS 45 158 36 5	NZ TP IC [CA] 16 185 2
PRM45 □□	214~223.99	THOS 45 168 36 5	
PRM45 □□	224~233.99	THOS 45 178 36 5	NZ TP IC [CA] 16 205 2
PRM45 □□	234~243.99	THOS 45 188 36 5	
§	§	§	§
PRM45 □□	284~293.99	THOS 45 238 36 5	NZ TP IC [CA] 16 265 2

CYLINDER PROCESS AREA

The model of cylinder rest with the size of gate or character of product, PRM35 match VCP70, also can match VCP80 if any especial case



VCP70



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