

UTC/McKenzie Valve Codes

example: 4IN UFRC 2236TT

Size	Mfg	Model	Body	Ball	Seat	Seal
4IN	U	FRC	22	36	T	T

Size:

1
2
3
4
6

Manufacturer:

U - Union Tank Car / McKenzie Valve and Machining Co.

Model: (for more detailed information, see Section 2).

Straight Thru Valves:

FFRR - flanged ball valve
R - both ends NPT
FR - 3" flanged x 3" NPT

Angle Ball Valves:

FRA - 2" flanged x 2" NPT

Internal Bottom Outlet Valves:

FIRA - internal ball valve

Low Profile Bottom Outlet Valves:

FPFR - full port low profile ball valve
ZFFR - low profile ball valve (regular port)

External Bottom Outlet Valves: (no longer standard):

FRC - external shear ring design
FRCU - internal shear ring design
FRCG - tongue and groove mounting

Body:

22 - Carbon Steel
36 - Stainless Steel

Ball (and Stem):

22 - Carbon Steel
36 - Stainless Steel

Seat:

T - Virgin TFE
M - Filled TFE (10% carbon, 10% fiberglass)

Seal:

T - Virgin TFE
M - Filled TFE (silica filler)

Suffix:

SJ - Steam Jacket

Section 2: Model Code Breakdown

example: FRA

Connection	Usage	Features
F	R	A

Connection:

F	- flanged (for angle valve flange x thread)
FF	- flanged
FFA	- top flange smaller than bottom
FFU	- flange with tongue
FI	- flanged, internal ball valve
FP	- flanged, full port
R	- pipe threads

Usage:

R or RR	- railroad
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Special Features:

A	- angle valve
C	- shear ring, external
CU	- shear ring, internal
CG	- grooved